Granny Storm Crow's List - January 2014

My Goodness! How my List has grown over the last few months! And there have been some rather unexpected new “branchings” in the List recently. Acetaminophen, black tea, flax, echinacea, and magnolias? How did they manage to sneak into my list on cannabis, cannabinoids, and the endocannabinoid system?

The answer is simple, the plants all contain compounds that interact with receptors in the endocannabinoid system. Science has discovered that cannabinoids are, indeed, made by other plants. So far, none of them cause the same dramatic psychoactive CB1 receptor reaction (the high) as THC. They seem to be mostly limited to the CB2 receptors (no high, just healing).

Acetaminophen, on the other hand, is transformed by your body into a compound called AM-404, which blocks the break-down of anandamide, your body’s own version of THC. Just like THC, anandamide makes you “feel good” and decreases pain. Blocking the break-down of the fragile anandamide by AM-404 results in more anandamide being in your body, relieving your pain. The acetaminophen, itself, does nothing to relieve your pain!

As much as I would like it to be, cannabis is not 100% safe- nothing is! There is something you need to understand about the endocannabinoid system- it is a system of checks and balances. The amounts of endocannabinoids vary according to the body’s needs. As an example, during a woman’s ovulation, her anandamide levels spike, then drop drastically for the implantation of the egg. THC during ovulation would have little effect, but just days later, THC might interfere with implantation. Women trying to get pregnant should avoid cannabis.

Teens under the age of 16 should not be using cannabis unless there is a medical reason. The adolescent brain undergoes a “rewiring job” and the endocannabinoid system is right in the middle of things. The fear is that THC will cause “misconnections” resulting in subtle personality changes or neurosis. Like alcohol, cannabis should normally be reserved for adults.

Likewise, cancer is not just one disease, which is why one treatment does not work on all types of cancer. Most cancers appear to be slowed by THC, but there are a few rare exceptions. When exposed to THC or similar synthetics, A549 lung cancer cells start reproducing, while exposure to CBD slows them down*. The usual “high THC” RSO could be a disaster for a small minority of cancer patients. We need more research, but that can’t happen without legalization!

Our government has lied to us about the effects of cannabis for over seven decades. They have blocked virtually all research into cannabis and how it heals. They have ranked a never-fatal herbal medicine with the most deadly kinds of drugs, against all scientific evidence! Yet, somehow, that inconvenient truth keeps coming out - cannabis heals! It is time that we, as a nation, demand that the truth be openly acknowledged and research into this amazing plant begun! As my Grandfather said, “If the truth won’t do, then something is wrong”!

* Critical appraisal of the potential use of cannabinoids in cancer management. (link to PDF – 2013)
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CONDITIONS and RELATED ARTICLES
* = older studies in Pre-2000 List.

It Is Time for Marijuana to Be Reclassified as Something Other Than a Schedule I Drug!
(article - 2005)

ACETAMINOPHEN/ PARACETAMOL - changes into AM- 404, stopping anandamide break-down

Conversion of acetaminophen to the bioactive N-acylphenolamine AM404 via fatty acid amide hydrolase-dependent arachidonic acid conjugation in the nervous system.
(full – 2005) http://www.jbc.org/content/280/36/31405.long

The analgesic activity of paracetamol is prevented by the blockade of cannabinoid CB1 receptors (abst – 2005) http://www.sciencedirect.com/science/article/pii/S0014299905013178


Paracetamol: New Vistas of an Old Drug (full – 2006)

The local antinociceptive effects of paracetamol in neuropathic pain are mediated by cannabinoid receptors (abst – 2007) http://www.sciencedirect.com/science/article/pii/S0014299907007935


Can autism be triggered by acetaminophen activation of the endocannabinoid system?  

Paracetamol-induced hypothermia is independent of cannabinoids and transient receptor potential vanilloid-1 and is not mediated by AM404.  
(full – 2011)  http://dmd.aspetjournals.org/content/39/9/1689.full

Acetaminophen inhibits status epilepticus in cultured hippocampal neurons.  
(full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3052417/

TRPA1 mediates spinal antinociception induced by acetaminophen and the cannabinoid  
Δ9-tetrahydrocannabinorcol  

Acetaminophen differentially enhances social behavior and cortical cannabinoid levels in inbred mice.  
(full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3389197/

Acetaminophen, pesticide, and diethylhexyl phthalate metabolites, anandamide, and fatty acids in deciduous molars: potential biomarkers of perinatal exposure.  

Inhibition of fatty acid amidyl hydrolase by URB597 attenuates the anxiolytic-like effect of acetaminophen in the mouse elevated plus-maze test.  

Intraocular pressure-lowering effect of oral paracetamol and its in vitro corneal penetration properties.  
(full – 2013)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3564461/

Blockade of cannabinoid CB1 and CB2 receptors does not prevent the antipruritic effect of systemic paracetamol.  

ACHILLES TENDINOSIS

Increased Expression of Cannabinoid CB(1) Receptors in Achilles Tendinosis.  
(full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3169627/?tool=pubmed

ACNE

Cannabis (Marijuana) Being Looked at For Acne Clearing Properties  
Endocannabinoids enhance lipid synthesis and apoptosis of human sebocytes via cannabinoid receptor-2-mediated signaling.  (full – 2008)
http://www.fasebj.org/content/22/10/3685.long

Cannabis - Why it could be an acne cure  (news – 2008)

The endocannabinoid system of the skin in health and disease: novel perspectives and therapeutic opportunities.  (full – 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2757311/?tool=pubmed

Hemp Seed Oil Benefits  (news – 2009)
http://www.livestrong.com/article/31903-hemp-seed-oil-benefits/

Cannabidiol as a treatment for acne?  (article, p. 31 – 2010)

Endocannabinoid signaling and epidermal differentiation.  (abst – 2011)

**ACUPUNCTURE/ ELECTROACUPUNCTURE**

Pretreatment with electroacupuncture induces rapid tolerance to focal cerebral ischemia through regulation of endocannabinoid system.  (full – 2009)
http://stroke.ahajournals.org/content/40/6/2157.long


Involvement of ERK 1/2 activation in electroacupuncture pretreatment via cannabinoid CB1 receptor in rats.  (abst – 2010)  http://www.ncbi.nlm.nih.gov/pubmed/20654595

Cannabinoid CB2 Receptors Contribute to Upregulation of β-endorphin in Inflamed Skin Tissues by Electroacupuncture  (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3281798/

Activation of epsilon protein kinase C-mediated anti-apoptosis is involved in rapid tolerance induced by electroacupuncture pretreatment through cannabinoid receptor type 1.  (full – 2011)  http://stroke.ahajournals.org/content/42/2/389.long

Electroacupuncture reduces the expression of proinflammatory cytokines in inflamed skin tissues through activation of cannabinoid CB2 receptors.  (abst – 2011)  http://www.ncbi.nlm.nih.gov/pubmed/22337285


Electroacupuncture reduces the expression of proinflammatory cytokines in inflamed skin tissues through activation of cannabinoid CB2 receptors. (abst – 2012)  http://www.ncbi.nlm.nih.gov/pubmed/22337285


ADD/ ADHD *


Association between cannabinoid receptor gene (CNR1) and childhood attention deficit/hyperactivity disorder in Spanish male alcoholic patients  (full - 2003)  http://www.nature.com/mp/journal/v8/n5/full/4001278a.html


Fitness to drive in spite (because) of THC  (abst - 2007)  http://www.unboundmedicine.com/medline/ebm/record/17879702/abstract/%5BFitness_to_drive_in_spite__because__of_THC%5D

Association of the Cannabinoid Receptor Gene (CNR1) With ADHD and Post-Traumatic Stress Disorder  (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2685476/?tool=pubmed

Cannabis Improves Symptoms of ADHD  (full - 2008)  

Cannabis use and adult ADHD symptoms.  (abst - 2008)  

Autism, ADD, ADHD and Marijuana Therapy  (news - 2008)  

Effects of the cannabinoid CB1 receptor antagonist rimonabant on distinct measures of impulsive behavior in rats.  (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1915592/?tool=pubmed

Bidirectional regulation of novelty-induced behavioral inhibition by the endocannabinoid system.  (abst – 2009)  

Cannabinoid receptors in brain: pharmacogenetics, neuropharmacology, neurotoxicology, and potential therapeutic applications  (abst – 2009)  

Doctors recommend medical marijuana for minors with ADHD in California  (news – 2009)  
http://www.nydailynews.com/life-style/health/doctors-recommend-medical-marijuana-minors-adhd-california-article-1.419585#ixzz2Ui5xXtRZ

Prescribing marijuana to kids  (news – 2009)  
http://theweek.com/article/index/103325/prescribing-marijuana-to-kids

Why I Give My 9-year-old Pot  (anecdotal/news - 2009)  

Why I Give My 9-Year-Old Pot, Part II  (news/anecdotal - 2009)  

Oral Delta 9-tetrahydrocannabinol improved refractory Gilles de la Tourette syndrome in an adolescent by increasing intracortical inhibition: a case report.  (abst - 2010)  


Dr. Jean Talleyrand Says Marijuana Safer than Ritalin for ADHD Teens  (news – 2010)  
Science: Cannabis effective in the treatment of TOURETTE Syndrome and attention deficit hyperactivity disorder (ADHD)  (news – 2010)

Loss of striatal cannabinoid CB1 receptor function in attention-deficit/hyperactivity disorder mice with point-mutation of the dopamine transporter.  (abst – 2011)

Why I Give My Autistic Son Pot, Part 4  (news – 2011)
http://www.slate.com/id/2294072/?from=rss

Why Omega-3s Affect Your Mood  (news – 2011)

Effects of amphetamine on dopamine release in the rat nucleus accumbens shell region depend on cannabinoid CB1 receptor activation.  (abst – 2012)

Cannabidiol and clozapine reverse MK-801-induced deficits in social interaction and hyperactivity in Sprague-Dawley rats.  (abst – 2012)


Subtypes of Attention Deficit-Hyperactivity Disorder (ADHD) and Cannabis Use.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24093525

Is Medical Marijuana Safe For Children and Adolescents?  (news - 2013)
http://www.wakingtimes.com/2013/05/27/is-medical-marijuana-safe-for-children-and-adolescents/

Still Believe Nature Got It Wrong? Top 10 Health Benefits of Marijuana  (news – 2013)
http://www.wakingtimes.com/2013/05/01/still-believe-nature-got-it-wrong-top-10-health-benefits-of-marijuana/

Can Medical Cannabis Stop The ADHD Epidemic?  (news - 2013)
http://www.wakingtimes.com/2013/04/11/can-medical-cannabis-stop-the-adhd-epidemic/

Marijuana Affects Autism, But Not How You’d Think [Study]  (news – 2013)

Can Marijuana Calm Symptoms of ADHD?  (news – 2013)
http://www.leafscience.com/2013/10/11/can-marijuana-calm-symptoms-adhd/

Childhood and current ADHD symptom dimensions are associated with more severe cannabis outcomes in college students.  (abst – 2014)
ADDICTION *

Tokepure (news – undated)  http://ukcia.org/activism/tokepure.php


Cannabis Abuse is Not a Risk Factor for Treatment Outcome in Methadone Maintenance Treatment: a 1-year Prospective Study in an Israeli Clinic. (abst – 2004) http://www.ncbi.nlm.nih.gov/pubmed/14731193

Alcohol Consumption Moderates the Link Between Cannabis Use and Cannabis Dependence in an Internet Survey. (abst – 2005) http://psycnet.apa.org/journals/adb/19/2/212/


Lack of behavioral sensitization after repeated exposure to THC in mice and comparison to methamphetamine  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2637562/?tool=pubmed

The fatty acid amide hydrolase C385A (P129T) missense variant in cannabis users: studies of drug use and dependence in Caucasians  (abst – 2007)

Buspirone, Fluoxetine May Counter Cannabis Use  (news – 2007)

Merck Manual - Marijuana (Cannabis)  (excerpt - 2008)
http://www.merckmanuals.com/professional/special_subjects/drug_use_and_dependence/marijuana_cannabis.html?qt=marijuana&alt=sh#v1027079

Study of 4000 indicates marijuana discourages use of hard drugs.  (news – 2008)
http://www.csdpo.org/publicservice/medicalmj08.htm

Calling B.S. on the Idea of 'Marijuana Addiction'  (news – 2008)
http://www.alternet.org/drugs/80408/?page=entire

When Your Kid Smokes Pot  (news – 2008)

Adolescent Exposure to Chronic Delta-9-Tetrahydrocannabinol Blocks Opiate Dependence in Maternally Deprived Rats  (full - 2009)
http://www.nature.com/npp/journal/v34/n11/full/npp200970a.html

Decrease in Adolescent Cannabis Use From 2002 to 2006 and Links to Evenings Out With Friends in 31 European and North American Countries and Regions  (full - 2009)

The Surprising Effect Of Marijuana On Morphine Dependence  (news - 2009)

Active Ingredient In Cannabis Eliminates Morphine Dependence In Rats  (news - 2009)

Four percent of adults worldwide using cannabis  (news – 2009)
http://phys.org/news174892348.html

For pot users, visual and audible cues set off cravings  (news – 2009)

The use and misuse of alcohol and marijuana can be traced to a common set of genes  (news – 2009)
Marijuana: Help or hassle?  (news – 2009)
http://www.heretohelp.bc.ca/visions/cannabis-vol5/marijuana-help-or-hassle

Cannabis use among teens is down - perhaps not everyone got the memo  (news - 2009)

Medical marijuana users in substance abuse treatment.  (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2848643/?tool=pubmed

Teen Pot Smoking Won't Lead to Other Drugs as Adults  (news - 2010)

Aerobic Exercise Training Reduces Cannabis Craving and Use in Non-Treatment Seeking Cannabis-Dependent Adults  (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3050879/?tool=pmcentrez

Dronabinol for the treatment of cannabis dependence: a randomized, double-blind, placebo-controlled trial.  (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3154755/


Abuse potential and psychoactive effects of δ-9-tetrahydrocannabinol and cannabidiol oromucosal spray (Sativex), a new cannabinoid medicine.  (abst – 2011)

Cure for the Munchies? Exercise Cuts Marijuana Cravings  (news – 2011)

Exercise can reduce cannabis use in persons who don’t want to stop  (news – 2011)

A Double-Blind Randomized Controlled Trial of N-Acetylcysteine in Cannabis-Dependent Adolescents.  (full – 2012)
http://ajp.psychiatryonline.org/article.aspx?articleID=1184217&resultClick=1

The genetic basis of the endocannabinoid system and drug addiction in humans (full – 2012)   http://jop.sagepub.com/content/26/1/133.full

Involvement of the endocannabinoid system in reward processing in the human brain (full – 2012)   http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3266503/


The Global Epidemiology and Contribution of Cannabis Use and Dependence to the Global Burden of Disease: Results from the GBD 2010 Study (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0076635

The Interplay between Parental Monitoring and the Dopamine D4 Receptor Gene in Adolescent Cannabis Use (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0049432


Impulsivity, Variation in the Cannabinoid Receptor (CNR1) and Fatty Acid Amide Hydrolase (FAAH) Genes, and Marijuana-Related Problems. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/24172113


Further evidence for association of polymorphisms in the CNR1 gene with cocaine addiction: confirmation in an independent sample and meta-analysis  (abst – 2013)  

Cannabis withdrawal in chronic, frequent cannabis smokers during sustained abstinence within a closed residential environment  (abst – 2013)  

Relationship between working-memory network function and substance use: a 3-year longitudinal fMRI study in heavy cannabis users and controls  (abst – 2013)  

The effects of cannabis use expectancies on self-initiated cannabis cessation  (abst – 2013)  

Cannabis as a substitute for alcohol and other drugs: A dispensary-based survey of substitution effect in Canadian medical cannabis patients  (abst – 2013)  

Why I changed my mind on weed  (news – 2013)  

4 Myths About Marijuana Addiction  (news – 2013)  
http://www.leafscience.com/2013/11/28/4-myths-marijuana-addiction/

Pregnenolone can protect the brain from cannabis intoxication.  (abst – 2014)  

Evaluation of WIN 55,212-2 self-administration in rats as a potential cannabinoid abuse liability model.  (abst – 2014)  

Nabiximols as an Agonist Replacement Therapy During Cannabis Withdrawal: A Randomized Clinical Trial.  (abst – 2014)  

Potential Role of N-Acetylcysteine in the Management of Substance Use Disorders.  (abst – 2014)  

Prevalence and correlates of alcohol and cannabis use disorders in the United States: Results from the national longitudinal study of adolescent health.  (abst – 2014)  

Hormone shows promise at negating marijuana’s high effect  (news – 2014)  

Muting Marijuana’s High: Pot Without the Impairment  (news – 2014)  
http://healthland.time.com/2014/01/03/muting-marijuanas-high-pot-without-the-impairment/
AGING - also see OLDER ADULT CANNABIS USERS, MENOPAUSE

Post-Menopausal Hot Flashes by Anonymous  (abst – undated)  
http://www.rxmarijuana.com/shared_comments/menopause.htm

The Peripheral Cannabinoid Receptor CB2 and CD40 Are Novel Biological Markers That Predict Outcome in Diffuse Large B-Cell Lymphoma of Elderly Patients.  
(abst - 2004)  
http://abstracts.hematologylibrary.org/cgi/content/abstract/104/11/3256?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=800&resourcetype=HWCIT

Decreased age-related cardiac dysfunction, myocardial nitrative stress, inflammatory gene expression, and apoptosis in mice lacking fatty acid amide hydrolase.  
(full – 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2225473/?tool=pubmed

Anorexia of aging in long term care: is dronabinol an effective appetite stimulant?--a pilot study.  
(abst – 2007)  

Inflammation and aging: can endocannabinoids help?  
(full - 2008)  

Cannabinoid receptor stimulation is anti-inflammatory and improves memory in old rats  
(full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2586121/?tool=pmcentrez

Cannabinoids Attenuate the Effects of Aging Upon Neuroinflammation and Neurogenesis.  
(abst - 2008)  

Gender-dependent increases with healthy aging of the human cerebral cannabinoid-type 1 receptor binding using [(18)F]MK-9470 PET.  
(abst – 2008)  

CN BC: Expert Testifies Cannabis Helps Slow Aging  
(news - 2008)  
http://www.mapinc.org/drugnews/v08/n458/a05.html

Could Marijuana Substance Help Prevent Or Delay Memory Impairment In The Aging Brain?  
(news - 2008)  

Marijuana may be good for the aging brain  
(news - 2008)  

Cannabinoid agonist WIN-55,212-2 partially restores neurogenesis in the aged rat brain  
(full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3011092/?tool=pubmed

The Management of Chronic Pruritus in the Elderly  
(full – 2010)
N-acyl ethanolamine signalling mediates the effect of diet on lifespan in Caenorhabditis elegans (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3093655/

Deficiency of CB2 cannabinoid receptor in mice improves insulin sensitivity but increases food intake and obesity with age. (abst – 2010)  

The effects of Cannabis sativa L. seed (hempseed) in the ovariectomized rat model of menopause. (abst – 2010)  

Medical Marijuana Raises Tough Questions for Nursing Homes (news – 2010)  

Role of CB1 cannabinoid receptors on GABAergic neurons in brain aging (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3131310/?tool=pubmed

Comparison of Cannabinoid CB1 Receptor Binding in Adolescent and Adult Rats: A Positron Emission Tomography Study Using [18F]MK-9470 (full – 2011)  
http://www.hindawi.com/journals/ijmi/2011/548123/

Early onset of aging-like changes is restricted to cognitive abilities and skin structure in Cnr1(−/−) mice. (abst – 2011)  

Gender-dependent increases with healthy aging of the human cerebral cannabinoid-type 1 receptor binding using [(18)F]MK-9470 PET. (abst – 2011)  

Endocannabinoid type 1 receptor gene (CNR1) polymorphisms (rs806381, rs10485170, rs6454674, rs2023239) and cardiovascular risk factors in postmenopausal women. (abst – 2011)  

Are endocannabinoid type 1 receptor gene (CNR1) polymorphisms associated with obesity and metabolic syndrome in postmenopausal Polish women? (abst – 2011)  

Cannabis Use in Long-Term Care: An Emerging Issue for Nurses (news – 2011)  

Cannabis Use in Nursing Homes – An Emerging Issue (news – 2011)  

Endocannabinoid Signaling In Dietary Restriction And Lifespan Extension (news – 2011)  
http://www.medicalnewstoday.com/releases/225007.php

Cannabinoid-1 Receptor Protects The Brain From Aging (news – 2011)  
http://www.medicalnewstoday.com/releases/230948.php

Bodyguard for the brain  (news – 2011)  http://www.sciencecodex.com/bodyguard_for_the_brain

Role of CB1 cannabinoid receptors on GABAergic neurons in brain aging  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3131310/?tool=pubmed

Loss of CB1 receptors leads to differential age-related changes in reward-driven learning and memory.  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3514639/

Can the benefits of cannabinoid receptor stimulation on neuroinflammation, neurogenesis and memory during normal aging be useful in AD prevention?  (full – 2012)  http://www.jneuroinflammation.com/content/9/1/10

The endocannabinoid, anandamide, augments Notch-1 signaling in cultured cortical neurons exposed to amyloid-beta and in the cortex of aged rats.  (full – 2012)  http://www.jbc.org/content/early/2012/08/13/jbc.M112.350678.long

Review article: The endocannabinoid system in normal and pathological brain ageing  (full – 2012)  http://rstb.royalsocietypublishing.org/content/367/1607/3326.full?sid=161e7b36-5055-448b-962e-697c782e901d


Loss of CB1 receptors leads to decreased cathepsin D levels and accelerated lipofuscin accumulation in the hippocampus.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/23954857
**ALCOHOLISM / ALCOHOL**

Variation in youthful risks of progression from alcohol and tobacco to marijuana and to hard drugs across generations. (full – 2001) 

Alcohol and marijuana: effects on epilepsy and use by patients with epilepsy.  


Cannabis as a Substitute for Alcohol  (full - 2003)  
http://www.doctordeluca.com/Library/AbstinenceHR/Cannabis Substitute Alcohol03.htm

Association between cannabinoid receptor gene (CNR1) and childhood attention deficit/hyperactivity disorder in Spanish male alcoholic patients  (full - 2003)  
http://www.nature.com/mp/journal/v8/n5/full/4001278a.html

Endocannabinoid signaling via cannabinoid receptor 1 is involved in ethanol preference and its age-dependent decline in mice  (full - 2003)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC298783/?tool=pmcentrez


Comparison of Cannabidiol, Antioxidants, and Diuretics in Reversing Binge Ethanol-Induced Neurotoxicity  (full - 2005)  http://jpet.aspetjournals.org/content/314/2/780.full

Role of the endocannabinoid system in the development of tolerance to alcohol  (full – 2005)  http://alcalc.oxfordjournals.org/content/40/1/15.long

Ethanol Induces Higher Bec in Cb1 Cannabinoid Receptor Knockout Mice While Decreasing Ethanol Preference.  (full – 2005)  
http://alcalc.oxfordjournals.org/content/40/1/54.long
Alcohol Consumption Moderates the Link Between Cannabis Use and Cannabis Dependence in an Internet Survey.  (abst – 2005)  
http://psycnet.apa.org/journals/adb/19/2/212/

Role of cannabinoid receptors in alcohol abuse  (news - 2005)  
http://www.medicalnewstoday.com/articles/30338.php

Effects of Alcohol and Combined Marijuana and Alcohol Use During Adolescence on Hippocampal Volume and Asymmetry  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1821342/?tool=pubmed

In vivo effects of CB1 receptor ligands on lipid peroxidation and antioxidant defense systems in the rat brain of healthy and ethanol-treated rats.  (full – 2006)  

Confirming alcohol-moderated links between cannabis use and dependence in a national sample  (abst – 2006)  

The endocannabinoid signaling system: a potential target for next-generation therapeutics for alcoholism  (full - 2007)  

Involvement of cannabinoid CB2 receptor in alcohol preference in mice and alcoholism in humans  (abst – 2007)  

Report: Marijuana Less Harmful than Alcohol or Tobacco  (news - 2008)  
http://www.drugfree.org/join-together/other/report-marijuana-less

White Matter Integrity in Adolescents with Histories of Marijuana Use and Binge Drinking.  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2762024/

Maternal tobacco, cannabis and alcohol use during pregnancy and risk of adolescent psychotic symptoms in offspring  (full – 2009)  
http://bjp.rcpsych.org/content/195/4/294.full

Cannabis as a substitute for alcohol and other drugs.  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2795734/?tool=pmcentrez

Daily marijuana users with past alcohol problems increase alcohol consumption during marijuana abstinence.  (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19783385/full_citation/Daily_marijuana_users_with_past_alcohol_problems_increase_alcohol_consumption_during_marijuana_abstinence

Cannabis, Tobacco and Alcohol Use in Canada  (news – 2009)  

http://www.huffingtonpost.com/paul-armentano/tobacco-related-health-co_b_362539.html
Maternal Marijuana use not Associated with Psychotic Symptoms, but Alcohol is (news - 2009)

Marijuana: Help or hassle? (news – 2009)
http://www.heretohelp.bc.ca/visions/cannabis-vol5/marijuana-help-or-hassle

The use and misuse of alcohol and marijuana can be traced to a common set of genes (news – 2009) http://www.eurekalert.org/pub_releases/2009-12/ace-tua121209.php

Medical Marijuana and Delirium Tremens (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/22?ailment=delirium-tremens

Cannabis as a substitute for heavy alcohol usage? (news - 2009)

Medical Marijuana and Alcoholism (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/6?ailment=alcoholism

Plasma anandamide and other N-acylethanolamines are correlated with their corresponding free fatty acid levels under both fasting and non-fasting conditions in women (full – 2010) http://www.nutritionandmetabolism.com/content/7/1/49

Learning and memory performances in adolescent users of alcohol and marijuana: interactive effects. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2965487/

The Endocannabinoid System Tonically Regulates Inhibitory Transmission and Depresses the Effect of Ethanol in Central Amygdala (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2904853/


11-nor-Delta9-tetrahydrocannabinol-9-carboxylic acid ethyl ester (THC-COOEt): unsuccessful search for a marker of combined cannabis and alcohol consumption. (abst – 2010)
http://www.unboundmedicine.com/medline/ebm/record/20074877/abstract/11_nor_Delta9_tetrahydrocannabinol_9_carboxylic_acid_ethyl_ester__THC_COOEt__unsuccessful_search_for_a_marker_of_combined_cannabis_and_alcohol_consumption

Role of the endocannabinoid system in alcoholic liver disease. (abst – 2010)

The effects of cannabis and alcohol on simulated arterial driving: Influences of driving experience and task demand. (abst – 2010)
Study shows direct cellular interaction between endocannabinoids and alcohol in the brain. (news - 2010)

Marijuana To Control Alcohol Abuse. (news - 2010)


Study Overturns Decade-Old Findings in Neurobiology: Research Suggests Potential Target for Drugs to Combat Alcohol Addiction. (news - 2010)
http://www.sciencedaily.com/releases/2010/05/100512151549.htm

Tolerance and cross-tolerance to neurocognitive effects of THC and alcohol in heavy cannabis users. (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3045517/


Cannabinoid CB2 receptors protect against alcoholic liver disease by regulating kupffer cell polarization in mice. (abst – 2011)  http://www.ncbi.nlm.nih.gov/pubmed/21735467


Rural adolescent alcohol, tobacco, and illicit drug use: a comparison of students in Victoria, Australia, and Washington State, United States. (abst – 2011)
http://marijuana.researchtoday.net/archive/8/10/4782.htm

Latest Studies Imply That Cannabinoids Are Protective Against Alcohol-Induced Brain Damage (news – 2011) http://networkedblogs.com/mFuuX

Why Medical Marijuana Laws Reduce Traffic Deaths (news - 2011)

Upregulation of cannabinoid type 1 receptors in dopamine D2 receptor knockout mice is reversed by chronic forced ethanol consumption. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3004984/?tool=pubmed

Reduced alcohol intake and reward associated with impaired endocannabinoid signaling in mice with a deletion of the glutamate transporter GLAST. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3372600/


Positron Emission Tomography Shows Elevated Cannabinoid CB 1 Receptor Binding in Men with Alcohol Dependence (abst – 2012)


Do Harsh Pot Laws Create a Dangerous Drinking Culture? 5 Reasons to Get Stoned Instead of Drunk (news – 2012)
http://theweek.com/article/index/227026/marijuana-infused-wine-the-new-high

Teen Marijuana Use May Show No Effect On Brain Tissue, Unlike Alcohol, Study Finds (news – 2012)  
http://www.huffingtonpost.com/2012/12/21/teens-marijuana-brain-tissue-alcohol_n_2331779.html

Acetaldehyde as a drug of abuse: insight into AM281 administration on operant-conflict paradigm in rats (full – 2013)  

Reduced expression of brain cannabinoid receptor 1 (Cnr1) is coupled with an increased complementary micro-RNA (miR-26b) in a mouse model of fetal alcohol spectrum disorders. (full – 2013)  
http://www.clinicalepigeneticsjournal.com/content/5/1/14

Perception of tobacco, cannabis, and alcohol use of others is associated with one's own use (full – 2013)  
http://www.ascpjournal.org/content/8/1/15

Hepatic Cannabinoid Receptor Type 1 Mediates Alcohol-Induced Regulation of Bile Acid Enzyme Genes Expression Via CREBH (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0068845

Effect of Diet on Tissue Levels of Palmitoylethanolamide (link to PDF – 2013)  
http://www.eurekaselect.com/107972/article

Endocannabinoid/GABA interactions in the entopeduncular nucleus modulates alcohol intake in rats. (abst – 2013)  


Lipids and addiction: how sex steroids, prostaglandins, and cannabinoids interact with drugs of abuse. (abst – 2013)  

Lifetime prevalence of alcohol and substance use in egypt: a community survey (abst – 2013)  

A spontaneous deletion of α-Synuclein is associated with an increase in CB1 mRNA transcript and receptor expression in the hippocampus and amygdala: Effects on alcohol consumption (abst – 2013)  

Probability and predictors of transition from abuse to dependence on alcohol, cannabis, and cocaine: results from the national epidemiologic survey on alcohol and related conditions. (abst – 2013)  
Transient changes in the endocannabinoid system after acute and chronic ethanol exposure and abstinence in the rat: a combined PET and microdialysis study.  
(abst – 2013)  

Endogenous cannabinoids in amygdala and hippocampus in post-mortem brains of Cloninger type 1 and 2 alcoholics.  
(abst – 2013)  

Role of cannabinoid CB2 receptor in the reinforcing actions of ethanol.  
(abst – 2013)  

Influence of Ethanol on the Pharmacokinetic Properties of Δ9-Tetrahydrocannabinol in Oral Fluid  
(abst – 2013)  
http://jat.oxfordjournals.org/content/37/3/152.abstract?sid=7be65428-0ff8-4917-884b-c35f5a2819af

Differential expression and functional role of cannabinoid genes in alcohol users.  
(abst – 2013)  

Angiotensin II-induced activation of central AT1 receptors exerts endocannabinoid-mediated gastroprotective effect in rats.  
(abst – 2013)  

Transdermal delivery of cannabidiol attenuates binge alcohol-induced neurodegeneration in a rodent model of an alcohol use disorder.  
(abst – 2013)  

Prevalence of alcohol and other drugs and the concentrations in blood of drivers killed in road traffic crashes in Sweden.  
(abst – 2013)  

Cannabis as a substitute for alcohol and other drugs: A dispensary-based survey of substitution effect in Canadian medical cannabis patients  
(abst – 2013)  
http://informahealthcare.com/doi/abs/10.3109/16066359.2012.733465?prevSearch=allfield%253A%2528addiction%2529&prevCategory=%2528addiction%2529&prevSubcategory=%2528addiction%2529&prevType=&prevSearchType=&prevPage=1&prevField=&prevOperator=&prevHistoryKey=

Secret “Sober” Pot Smokers  
(news – 2013)  
http://www.thefix.com/content/secret-%E2%80%9Csober%E2%80%9D-pot-users2030

Legalise marijuana to deter teen binge drinking?  
(news – 2013)  

Study: Medical Marijuana Laws Lead To Decrease In Alcohol-Related Deaths  
(news – 2013)  
http://www.opposingviews.com/i/society/study-medical-marijuana-laws-lead-decrease-alcohol-related-deaths#

Alcohol or Cannabis? No Question Which Substance Poses a Greater Risk to Health  
(news – 2013)  
http://www.huffingtonpost.com/paul-armentano/alcohol-or-cannabis_b_3799972.html
Marijuana Unlikely To Cause Violence, Study Finds  (news – 2013)  

Acute alcohol use temporally increases the odds of male perpetrated dating violence: A 90-day diary analysis  (abst – 2014)  

Can Cannabis be Considered a Substitute Medication for Alcohol?  (abst – 2014)  
http://alcalc.oxfordjournals.org/content/early/2014/01/07/alcalc.agt182.abstract?sid=7dda1d62-04a2-4bd8-88c2-9ffe481614b5

Cannabidiol protects liver from binge alcohol-induced steatosis by mechanisms including inhibition of oxidative stress and increase in autophagy  (abst – 2014)  

Which is more dangerous: marijuana or alcohol?  (news – 2014)  
http://www.abc15.com/dpp/news/local_news/water_cooler/which-is-more-dangerous-marijuana-or-alcohol

ALLERGIES AND CANNABIS *

Histamine induced responses are attenuated by a cannabinoid receptor agonist in human skin.  (abst – 2003)  

Pot Chemical May Curb Inflammation  (news – 2007)  

Cannabis helps treat allergic reactions  (news - 2007)  
http://www.safeaccessnow.org/article.php?id=4768

Hippies vindicated: Human-produced cannabinoids have anti-inflammatory powers  
(news – 2007)  
http://www.sciencecodex.com/hippies_vindicated_human_produced_cannabinoids_haveAnti_inflammatory_powers

Constituents Of Hashish And Marijuana May Help To Fight Inflammation And Allergies  
(news - 2007)  

Marijuana Might Help Cure Allergic Contact Dermatitis (a.k.a. Poison Ivy)  
(news - 2007)  
http://www.healthcentral.com/skin-cancer/c/83/12569/cure-aka-ivy/1/

Cannabis for allergic contact dermatitis  (news - 2007)  

Allergic Skin Disease Could Be Treated With Substance Found In Cannabis
Attenuation of Allergic Contact Dermatitis Through the Endocannabinoid System

Hemp: A replacement for common food allergens?

Cannabidiol attenuates delayed-type hypersensitivity reactions via suppressing T-cell and macrophage reactivity.

Beneficial effects of cannabinoids (CB) in a murine model of allergen-induced airway inflammation: Role of CB(1)/CB(2) receptors.

Protective role of palmitoylethanolamide in contact allergic dermatitis.

The cannabinoid receptor agonist WIN 55,212-2 inhibits antigen-induced plasma extravasation in guinea pig airways.

Effects of palmitoylethanolamide on the cutaneous allergic inflammatory response in Ascaris hypersensitive Beagle dogs.

Endocannabinoids limit excessive mast cell maturation and activation in human skin.

Cannabinoid 2 (CB2) Receptor Involvement in the Down-regulation but not Up-regulation of Serum IgE Levels in Immunized Mice.

Palmitoylethanolamide is a new possible pharmacological treatment for the inflammation associated with trauma.

The cannabinoid receptor-2 is involved in allergic inflammation

Cannabinoid receptor 1 controls human mucosal-type mast cell degranulation and maturation in situ.
Cannabinoid 1 Receptors in Keratinocytes Modulate Proinflammatory Chemokine Secretion and Attenuate Contact Allergic Inflammation. (abst – 2013) 

Effect of endocannabinoids on IgE-mediated allergic response in RBL-2H3 cells. (abst – 2013) 

Cannabinoid CB2 receptors as novel target for inhibiting house dust mite induced allergic airway inflammation (abst – 2013)  
http://www.jimmunol.org/cgi/content/meeting_abstract/190/1_MeetingAbstracts/120.12?sid=c3422dd2-7ad0-42e4-a862-845dc670f7cf

Anti-inflammatory activity of topical THC in DNFB-mediated mouse allergic contact dermatitis independent of CB1 and CB2 receptors (abst – 2013)  

ALLERGIES TO CANNABIS *

Cannabis (hemp) positive skin tests and respiratory symptoms (abst - 2000) 

Allergic rhinoconjunctivitis caused by Cannabis sativa pollen (3rd article) (full - 2007) 

Cannabaceae Pollen in the Atmosphere of Brianza, Northen Italy. (abst – 2007)  

Sensitization and Allergy to Cannabis sativa Leaves in a Population of Tomato Sensitized Patients. (abst - 2008)  
http://marijuana.researchtoday.net/archive/5/2/1629.htm

Allergic hypersensitivity to cannabis in patients with allergy and illicit drug users. (abst – 2011)  

IgE-Mediated Hypersensitivity Reactions to Cannabis in Laboratory Personnel. (abst – 2011)  

Molecular allergology in practice: an unusual case of LTP allergy. (abst – 2011)  

World Allergy Organization Study on Aerobiology for Creating First Pollen and Mold Calendar With Clinical Significance in Islamabad, Pakistan:: A Project of World Allergy Organization and Pakistan Allergy, Asthma & Clinical Immunology Centre of Islamabad. (abst – 2012)  
Variations and origin of the atmospheric pollen of Cannabis detected in the province of Tetouan (NW Morocco): 2008-2010  (abst – 2012)


Characterization of Cannabis sativa allergens.  (abst – 2013)

Prevalence of Sensitization to Cannabis sativa . Lipid-Transfer and Thaumatin-Like Proteins Are Relevant Allergens.  (abst – 2013)

ALS / AMYOTROPHIC LATERAL SCLEROSIS

Cannabinoid Treatments: Amyotrophic Lateral Sclerosis (ALS)  (news – undated)
http://www.braatah.com/amyotrophic-lateral-sclerosis-als/

Marijuana in the management of amyotrophic lateral sclerosis  (abst - 2001)
http://ajh.sagepub.com/cgi/content/abstract/18/4/264?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=1200&resourcetype=HWCIT

http://ajh.sagepub.com/cgi/content/abstract/21/2/95?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=2000&resourcetype=HWCIT

Delayed disease progression in ALS mice by treatment with a cannabinoid.  (abst - 2004)

Cannabis’ Potential Exciting Researchers in Treatment of ALS, Parkinson's Disease - URB597  (news - 2004)
http://www.illinoisnorml.org/index2.php?option=com_content&do_pdf=1&id=104

Cannabis Relieves Lou Gehrigs Symptoms - New Study  (news - 2004)
http://www.rense.com/general51/lou.htm

Marijuana-like compounds may aid array of debilitating conditions ranging from Parkinson's to pain  (news – 2004)

Cannabinol delays symptom onset in SOD1 (G93A) transgenic mice without affecting survival.  (abst - 2005)
Increasing cannabinoid levels by pharmacological and genetic manipulation delay disease progression in SOD1 mice (full - 2006) http://www.fasebj.org/cgi/content/full/20/7/1003


The CB2 cannabinoid agonist AM-1241 prolongs survival in a transgenic mouse model of amyotrophic lateral sclerosis when initiated at symptom onset (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2819701/?tool=pmcentrez

The endocannabinoid system in targeting inflammatory neurodegenerative diseases (full - 2007) http://www.academia.edu/5172933/The_endocannabinoid_system_in_targeting_inflammatory_neurodegenerative_diseases


Emerging Role of the CB2 Cannabinoid Receptor in Immune Regulation and Therapeutic Prospects (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2768535/?tool=pmcentrez

Cannabinoids as Therapeutic Agents for Ablating Neuroinflammatory Disease (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2750822/?tool=pmcentrez


Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/


Patient pitches medical marijuana at Fla. Capitol (news/anecdotal – 2013)
ALZHEIMER'S DISEASE *


(Assignee (owner)- the US GOVERNMENT!)
http://www.patentstorm.us/patents/6630507/fulltext.html

Cannabinoid CB2 Receptors and Fatty Acid Amide Hydrolase Are Selectively Overexpressed in Neuritic Plaque-Associated Glia in Alzheimer's Disease Brains (full – 2003)
http://www.jneurosci.org/content/23/35/11136.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&resourcetype=HWCIT

http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=61

http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=92

Neuroprotective effect of cannabidiol, a non-psychoactive component from Cannabis sativa, on β-amyloid-induced toxicity in PC12 cells  (full - 2004)
http://www3.interscience.wiley.com/cgi-bin/fulltext/118757302/HTMLSTART

Early age-related cognitive impairment in mice lacking cannabinoid CB1 receptors. (full – 2005)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1266095/?tool=pubmed

Prevention of Alzheimer's Disease Pathology by Cannabinoids: Neuroprotection Mediated by Blockade of Microglial Activation  (full - 2005)
http://www.jneurosci.org/cgi/content/full/25/8/1904

Stimulation of cannabinoid receptor 2 (CB2) suppresses microglial activation (link to PDF– 2005)  http://www.springerlink.com/content/tq777102q4185073/fulltext.html


Pass the Doobie, pops (news - 2005) http://www.thefreelibrary.com/Pass+the+doobie%2c+pops.-a0131273013

The Cannabinoid CB2 Receptor as a Target for Inflammation-Dependent Neurodegeneration (full - 2006) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2435344/?tool=pmcentrez

A Molecular Link between the Active Component of Marijuana and Alzheimer’s Disease Pathology (full - 2006) http://www.ukcia.org/research/AlzheimersDiseasePathology.pdf


The marijuana component cannabidiol inhibits beta-amyloid-induced tau protein hyperphosphorylation through Wnt/beta-catenin pathway rescue in PC12 cells.
CB1 receptor selective activation inhibits beta-amyloid-induced iNOS protein expression in C6 cells and subsequently blunts tau protein hyperphosphorylation in co-cultured neurons.  

THC inhibits primary marker of Alzheimer's disease  

Marijuana's Active Ingredient Shown to Inhibit Primary Marker of Alzheimer's Disease  

Marijuana's Active Ingredient May Slow Progression Of Alzheimer's Disease  

Marijuana may help stave off Alzheimer’s  

Marijuana May Slow Alzheimer's  

Pot-Like Compound May Slow Alzheimer's  

Latest Buzz: Marijuana May Slow Progression Of Alzheimer's Disease  

Alzheimer's disease; taking the edge off with cannabinoids?  

Cannabidiol in vivo blunts β-amyloid induced neuroinflammation by suppressing IL-1β and iNOS expression  

Opposing control of cannabinoid receptor stimulation on amyloid-beta-induced reactive gliosis: in vitro and in vivo evidence.  

Anti-inflammatory property of the cannabinoid agonist WIN-55212-2 in a rodent model of chronic brain inflammation  

The endocannabinoid system in targeting inflammatory neurodegenerative diseases  

Cannabinoid CB2 receptors in human brain inflammation
Cannabinoid receptor stimulation is anti-inflammatory and improves memory in old rats (full - 2008) [Link]

Cannabinoids as Therapeutic Agents for Ablating Neuroinflammatory Disease (full - 2008) [Link]

Inflammation and aging: can endocannabinoids help? (full - 2008) [Link]

Amyloid precursor protein 96-110 and beta-amyloid 1-42 elicit developmental anomalies in sea urchin embryos and larvae that are alleviated by neurotransmitter analogs for acetylcholine, serotonin and cannabinoids. (full – 2008) [Link]

Role of CB2 receptors in neuroprotective effects of cannabinoids. (abst - 2008) [Link]

The role of the endocannabinoid system in Alzheimer's disease: facts and hypotheses. (abst - 2008) [Link]

Scientists are High on Idea that Cannabis Reduces Memory Impairment (news - 2008) [Link]

Israeli Research Shows Cannabidiol May Slow Alzheimer's Disease (news - 2008) [Link]

Marijuana may be good for the aging brain (news - 2008) [Link]

Alzheimer's sufferers may benefit from cannabis compound (news - 2008) [Link]

Marijuana reduces memory impairment (news - 2008) [Link]

Cannabis 'could stop dementia in its tracks' (news - 2008) [Link]

LSUHSC research reports new method to protect brain cells from diseases like Alzheimer's (news – 2008) [Link]

Could Marijuana Substance Help Prevent Or Delay Memory Impairment In The Aging Brain? (news - 2008) [Link]

Attacking Alzheimer's with Red Wine and Marijuana (news - 2008) [Link]
Cannabis-derived medicines may help Alzheimer's (news - 2008)  
http://www.news-medical.net/news/2008/03/10/36024.aspx

Pot joins the fight against Alzheimer's, memory loss (news - 2008)  

Emerging Role of the CB2 Cannabinoid Receptor in Immune Regulation and Therapeutic Prospects (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2768535/?tool=pmcentrez

Cannabidiol: a promising drug for neurodegenerative disorders? (full - 2009)  

The activation of cannabinoid CB2 receptors stimulates in situ and in vitro beta-amyloid removal by human macrophages. (abst - 2009)  

Endocannabinoids prevent lysosomal membrane destabilisation evoked by treatment with β-amyloid in cultured rat cortical neurons (abst – 2009)  

Medical Marijuana and Alzheimer's Disease (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/76?ailment=alzheimer-s-disease

Enhancement of endocannabinoid signaling by fatty acid amide hydrolase inhibition: a neuroprotective therapeutic modality. (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2848893/?tool=pubmed

Cannabinoid agonist WIN-55,212-2 partially restores neurogenesis in the aged rat brain (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3011092/?tool=pubmed

Cannabinoids and Dementia: A Review of Clinical and Preclinical Data (link to PDF – 2010)  

The development of cannabinoid CBII receptor agonists for the treatment of central neuropathies. (link to PDF – 2010)  
http://www.eurekaselect.com/85808/article

Inhibitory effect of ethanol extract of Magnolia officinalis and 4-O-methylhonokiol on memory impairment and neuronal toxicity induced by beta-amyloid. (abst – 2010)  

http://www.jbc.org/content/285/49/38543.abstract


Cannabidiol and other cannabinoids reduce microglial activation in vitro and in vivo: relevance to Alzheimers' disease (full – 2011) http://molpharm.aspetjournals.org/content/early/2011/02/24/mol.111.071290.long

Cannabidiol Reduces Aβ-Induced Neuroinflammation and Promotes Hippocampal Neurogenesis through PPARγ Involvement (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3230631/?tool=pubmed


Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/


Palmitoylethanolamide counteracts reactive astrogliaosis induced by beta-amyloid peptide. (abst – 2011)  

JNK plays a key role in tau hyperphosphorylation in Alzheimer’s disease models. (abst – 2011)  

The role of phytochemicals in the treatment and prevention of dementia. (abst – 2011)  

Early onset of aging-like changes is restricted to cognitive abilities and skin structure in Cnr1(-/-) mice. (abst – 2011)  

Intact cannabinoid CB1 receptors in the Alzheimer's disease cortex. (abst – 2011)  

The effects of hempseed meal intake and linoleic acid on Drosophila models of neurodegenerative diseases and hypercholesterolemia. (abst – 2011)  

4-O-Methylhonokiol attenuates memory impairment in presenilin 2 mutant mice through reduction of oxidative damage and inactivation of astrocytes and the ERK pathway. (abst – 2011)  

New metabolic pathway for controlling brain inflammation (news – 2011)  

Can the benefits of cannabinoid receptor stimulation on neuroinflammation, neurogenesis and memory during normal aging be useful in AD prevention? (full – 2012)  
http://www.jneuroinflammation.com/content/9/1/10

Prolonged oral Cannabinoid Administration prevents Neuroinflammation, lowers beta-amyloid Levels and improves Cognitive Performance in Tg APP 2576 Mice. (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3292807/

A Dysregulated Endocannabinoid-Eicosanoid Network Supports Pathogenesis in a Mouse Model of Alzheimer's Disease (full – 2012)  
http://download.cell.com/cell-reports/mmcsc/journals/2211-1247/PIIS2211124712001258.mmc2.pdf

β−Amyloid exacerbates inflammation in astrocytes lacking fatty acid amide hydrolase through a mechanism involving PPAR-α, PPAR-γ and TRPV1, but not CB1 or CB2 receptors (full – 2012)  

Monoacylglycerol lipase is a new therapeutic target for Alzheimer’s disease (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3513645/
Palmitoylethanolamide exerts neuroprotective effects in mixed neuroglial cultures and organotypic hippocampal slices via peroxisome proliferator-activated receptor-α.

The fatty acid amide hydrolase inhibitor URB597 exerts anti-inflammatory effects in hippocampus of aged rats and restores an age-related deficit in long-term potentiation.

Methylhonokiol attenuates neuroinflammation: a role for cannabinoid receptors?

Inhibitory effect of 4-O-methylhonokiol on lipopolysaccharide-induced neuroinflammation, amyloidogenesis and memory impairment via inhibition of nuclear factor-kappaB in vitro and in vivo models.

Palmitoylethanolamide exerts neuroprotective effects in mixed neuroglial cultures and organotypic hippocampal slices via peroxisome proliferator-activated receptor-α.

The endocannabinoid, anandamide, augments Notch-1 signaling in cultured cortical neurons exposed to amyloid-beta and in the cortex of aged rats.

Review article: The endocannabinoid system in normal and pathological brain ageing.

Protective effect of cannabinoid CB1 receptor activation against altered intrinsic repetitive firing properties induced by Aβ neurotoxicity.

4-O-methylhonokiol prevents memory impairment in the Tg2576 transgenic mice model of Alzheimer's disease via regulation of β-secretase activity.

Contrasting protective effects of cannabinoids against oxidative stress and amyloid-β evoked neurotoxicity in vitro.

[(125)I]SD-7015 reveals fine modalities of CB(1) cannabinoid receptor density in the prefrontal cortex during progression of Alzheimer's disease.

CB1 Agonist ACEA Protects Neurons and Reduces the Cognitive Impairment of AβPP/PS1 Mice.


In vivo type 1 cannabinoid receptor availability in Alzheimer’s disease. (abst – 2012) [http://jnuredmg.snmjournals.org/cgi/content/meeting_abstract/53/1_MeetingAbstracts/1961?maxtoshow=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=130&sortspec=date&resourcetype=HWCIT]


How Weed Can Protect Us From Cancer and Alzheimer's (book excerpt – 2012) [http://www.alternet.org/story/156269/how_weed_can_protect_us_from_cancer_and_alzheimer%27s]

Marijuana Compound Found Superior To Drugs For Alzheimer's (news – 2012) [http://www.laleva.org/eng/2012/09/marijuana_compound_found_superior_to_drugs_for_alzheimers-print.html]

How Cannabinoids May Slow Brain Aging (news – 2012) [http://healthland.time.com/2012/10/29/how-cannabinoids-may-slow-brain-aging/]

5 Marijuana Compounds That Could Help Combat Cancer, Alzheimers, Parkinsons (If Only They Were Legal) (news – 2012) [http://www.alternet.org/drugs/5-marijuana-compounds-could-help-combat-cancer-alzheimers-parkinsons-if-only-they-were-legal]


LSUHSC research identifies new therapeutic target for Alzheimer's disease...
Natural Cannabinoids Improve Dopamine Neurotransmission and Tau and Amyloid Pathology in a Mouse Model of Tauopathy. (full – 2013)  
http://iospress.metapress.com/content/4j61942x88175321/fulltext.html

CB2 Receptor Deficiency Increases Amyloid Pathology and Alters Tau Processing in a Transgenic Mouse Model of Alzheimer's Disease. (full - 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3883962/

Neuroglial Roots of Neurodegenerative Diseases: Therapeutic Potential of Palmitoylethanolamide in Models of Alzheimer’s Disease (link to PDF– 2013)  
http://www.eurekaselect.com/107977/article

Effects of magnolol on impairment of learning and memory abilities induced by scopolamine in mice. (link to PDF– 2013)  
https://www.jstage.jst.go.jp/article/bpb/36/5/36_b12-00880/_html

Activation of the CB(2) receptor system reverses amyloid-induced memory deficiency. (abst – 2013)  

CB(2) receptor and amyloid pathology in frontal cortex of Alzheimer's disease patients. (abst – 2013)  

CB2 Cannabinoid Receptor Agonist Ameliorates Alzheimer-Like Phenotype in AβPP/PS1 Mice. (abst – 2013)  

Multitarget Cannabinoids as Novel Strategy for Alzheimer Disease. (abst – 2013)  

Implication of JNK pathway on tau pathology and cognitive decline in a senescence-accelerated mouse model. (abst – 2013)  

Glia and Mast Cells as Targets for Palmitoylethanolamide, an Anti-inflammatory and Neuroprotective Lipid Mediator. (abst – 2013)  

Role of the cannabinoid system in the transit of beta-amyloid across the blood-brain barrier. (abst – 2013)  

Cannabinoid receptor 1 deficiency in a mouse model of Alzheimer's disease leads to enhanced cognitive impairment despite of a reduction in amyloid deposition. (abst – 2013)  

Cannabinoid Effects on β Amyloid Fibril and Aggregate Formation, Neuronal and Microglial-Activated Neurotoxicity In Vitro (abst – 2013)  

The Influence of Cannabinoids on Generic Traits of Neurodegeneration. (abst – 2013)  

In vivo type 1 cannabinoid receptor availability in Alzheimer’s disease. (abst – 2013)  

Cannabidiol Normalizes Caspase 3, Synatophysin, and Mitochondrial Fission Protein DNM1L Expression Levels in Rats with Brain Iron Overload: Implications for Neuroprotection (abst – 2013)  

Cannabidiol Promotes Amyloid Precursor Protein Ubiquitination and Reduction of Beta Amyloid Expression in SHSY5YAPP+ Cells Through PPARγ Involvement. (abst – 2013)  

Cannabinoid agonists showing BuChE inhibition as potential therapeutic agents for Alzheimer's disease. (abst – 2013)  

Medical marijuana helps senior sleep, contend with other problems of aging (news – 2013)  
http://www.ottawacitizen.com/health/seniors/Medical+marijuana+helps+senior+sleep+contend+with+other/8439474/story.html

Still Believe Nature Got It Wrong? Top 10 Health Benefits of Marijuana (news – 2013)  
http://www.wakingtimes.com/2013/05/01/still-believe-nature-got-it-wrong-top-10-health-benefits-of-marijuana/

Marijuana may improve stamina, rejuvenate brain —study (news - 2013)  

New Study Shows Cannabinoids Improve Efficiency Of Mitochondria And Remove Damaged Brain Cells (news – 2013)  
http://www.collective-evolution.com/2013/05/30/new-study-shows-cannabinoids-improve-efficiency-of-mitochondria-and-remove-damaged-brain-cells/

Cannabis may help reverse dementia: study (news – 2013)  

Marijuana's Memory Paradox (news/ forum repost – 2013)  
http://ehealthforum.com/health/interesting-t164409.html

New Study Finds Marijuana Could Help Treat Alzheimer’s Disease (news – 2013)  


AMOTIVATIONAL SYNDROME *

Rimonabant eliminates responsiveness to workload changes in a time-constrained food-reinforced progressive ratio procedure in rats.  (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3387812/


ANECDOТАL / PERSONAL STORIES

ANECDOТАL ARTICLES  (anecdotal - undated)  http://cannabislink.ca/medical/#medanecdotal

ADHD by Ryan P  (anecdotal - undated)  http://www.rxmarijuana.com/shared_comments/ADHD4.htm

Cannabis and Aspergers, My Experience by Anonymous  (anecdotal- undated)  http://rxmarijuana.com/cannabis_aspergers.htm

Medical Marijuana as a Cure for Autism  (anecdotal – undated)  http://www.autism-pdd.net/testdump/test13417.htm

I have Cystic fibrosis  (anecdotal - undated)  http://www.masscann.org/consumption/73-medicine/314-i-have-cystic-fibrosis

Marijuana and Epilepsy  (anecdotal- undated)  http://www.rxmarihuana.com/epilepsy.htm


Hiccups by Ben  (anecdotal – undated)  http://rxmarijuana.com/shared_comments/hiccups.htm
MARIJUANA AND IRRITABLE BOWEL SYNDROME (IBS)  (anecdotal- undated)  http://www.rxmarihuana.com/christine.htm

Lupus by Randi Cox  (anecdotal – undated)  http://rxmarijuana.com/shared_comments/lupus2.htm

Lyme Disease by Cynkay Morningstar  (anecdotal – undated)  http://rxmarijuana.com/shared_comments/Lyme_Disease.htm

Menière’s Syndrome by Charlie Ritchie  (anecdotal - undated)  http://www.rxmarijuana.com/shared_comments/ritchie.htm

Porphyria by Colin  (anecdotal – undated)  http://rxmarijuana.com/shared_comments/Porphyria.htm

Porphyria by Sharon Place  (anecdotal – undated)  http://rxmarijuana.com/shared_comments/Porphyria2.htm

Marihuana and Stuttering  (anecdotal – undated)  http://rxmarijuana.com/shared_comments/stuttering.htm

Chemotherapy for Testicular Cancer  (anecdotal - undated)  http://www.rxmarihuana.com/shared_comments/testicularchemo.htm


Skin Complaint Man Grew Cannabis  (news/ anecdotal- 2004)
http://www.mapinc.org/drugnews/v04.n1222.a09.html

DEA Raids Aurora Medical Marijuana User (news/anecdotal – 2004)

Systemic Lupus by Dawn (anecdotal - 2005)
http://www.erowid.org/experiences/exp.php?id=49481

Testimony of Mr. Rene Carlos Guevara to FDA (anecdotal - 2005)
http://www.fda.gov/ohrms/dockets/dockets/05n0479/05n0479-EC4.htm

Marijuana Cured My Color-Blindness (anecdotal – 2005)
http://mmj.tribe.net/thread/ae2e9a56-f117-4e96-b24d-ae799e956b00

Cannabis Sativa (Marijuana) for Fibromyalgia (anecdotal - 2007 - 2010)
http://www.fibromyalgia-reviews.com/Drg_Marijuana.cfm

For some chronically ill patients, pot succeeds where painkillers fail (news/anecdotal - 2009)

Shared Comments and Observations (anecdotal - 2009)
http://www.rxmarihuana.com/comments_and_observations.htm

Sam’s Story: Using Medical Cannabis to Treat Autism Spectrum Disorder (news/anecdotal - 2009)
http://www.letfreedomgrow.com/cmu/SamsStory.htm

Mom: Medical marijuana saved son's life (news/anecdotal - 2009)

The ultimate herbal remedy: Can cannabis improve autism? (news/anecdotal - 2009)

An Opiate Controlled Population by Ryan Harshbarger (news/anecdotal - 2009)

Why I Give My 9-year-old Pot (news/anecdotal - 2009)

Why I Give My 9-Year-Old Pot, Part II (news/anecdotal - 2009)

Julie Falco brings hope to Multiple Sclerosis patients. Cannabinoids manage pain and promote repair! (news - 2010)

The Faces Of Medical Marijuana: An Interview With Sarah Lovering
Sam's Story: Medical Marijuana and Autism  (news / anecdotal - 2010)

Why I Give My 9-Year-Old Pot, Part 3  (news/anecdotal - 2010)
http://www.slate.com/id/2251174/

The Cannabis Closet: Severe Eczema  (anecdotal - 2010)
http://andrewsullivan.theatlantic.com/the_daily_dish/2010/05/the-cannabis-closet-severe-eczema.html

Cannabis and PTSD by Michael McKenna  (anecdotal - 2010)
http://www.rxmarijuana.com/pstd.htm

Ehlers-Danlos Syndrome  (anecdotal/news - 2010)
http://andrewsullivan.theatlantic.com/the_daily_dish/2010/05/the-cannabis-closet-chronic-joint-pain.html

Schneider: Lansing mom says son's legal marijuana use unfairly stigmatized
(anecdotal/news - 2010)

Steamboat mom sees results from giving autistic son medical marijuana
(anecdotal/news - 2010)

Up in smoke: 'Cannabis gave me my life back'  (anecdotal – 2010)

Weed Control Part 1: MS sufferer finds relief with medical marijuana
(anecdotal/news - 2010)

Why I Give My Autistic Son Pot, Part 4  (news – 2011)
http://www.slate.com/id/2294072/?from=rss

January is Glaucoma Awareness Month: Can Marijuana save eyesight?
(news / anecdotal – 2011)

Cerebral Palsy Victim Sues City Over Medical Marijuana  (news/anecdotal – 2011)

Medical marijuana from the patient's perspective  (news/anecdotal – 2011)

Father: Medical marijuana eased pain of my cancer-battling son  (anecdotal – 2011)

Isaacs' syndrome  (forum post/anecdotal - 2011)

Teen says marijuana has been a lifesaver  (news/ anecdotal – 2012)
http://www.gazette.com/articles/seizes-134241-chaz-teen.html

Medical Cannabis Helps ALS Patient Outlive Her Own Doctors  (news/anecdotal – 2012)

Medical Marijuana and Lyme Disease…Alexis’ story  (news/anecdotal – 2012)
http://www.doobons.com/blog/2012/02/22/medical-marijuana-and-lyme-disease-alexis-story/

This for That: Lyme Disease  (news/anecdotal – 2012)
http://the420times.com/2012/01/this-for-that-lyme-disease/

Marijuana and Asperger's Syndrome  (anecdotal – 2012)

Multiple Sclerosis and Cannabis - A Conversation With Clark French  (news – 2013)
http://www.huffingtonpost.co.uk/jason-reed/multiple-sclerosis-and-cannabis_b_1902151.html

Marijuana Put My Crohn’s Disease Into Remission and It’s Not A Joke  (anecdotal – 2013)

**ANGIOGENESIS** - the formation of new blood vessels

Inhibition of tumor angiogenesis by cannabinoids  (full - 2003)
http://www.fasebj.org/cgi/reprint/02-0795fjev1?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabinoids&andorexactfulltext=and&searchid=1&FIRSTINDEX=20&sortspec=relevance&resourcetype=HWCIT

Inhibitory effects of cannabinoid CB1 receptor stimulation on tumor growth and metastatic spreading: actions on signals involved in angiogenesis and metastasis1  (full - 2003)  http://www.fasebj.org/cgi/reprint/17/12/1771

Inhibitory effects of cannabinoid CB1 receptor stimulation on tumor growth and metastatic spreading: actions on signals involved in angiogenesis and metastasis  (full - 2006)
http://www.fasebj.org/cgi/reprint/02-1129fjev1?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabinoid&andorexactfulltext=and&searchid=1&FIRSTINDEX=10&sortspec=relevance&resourcetype=HWCIT
A cannabinoid quinone inhibits angiogenesis by targeting vascular endothelial cells. (full - 2006) http://molpharm.aspetjournals.org/content/70/1/51.long

Compound found in marijuana may defend against diabetic retinopathy (news – 2006) http://www.news-medical.net/news/2006/03/01/16284.aspx


Endocannabinoids as emerging suppressors of angiogenesis and tumor invasion (Review) (link to PDF – 2007) http://www.spandidos-publications.com/or/17/4/813


Cannabidiol As a Putative Novel Therapy for Diabetic Retinopathy: A Postulated Mechanism of Action as an Entry Point for Biomarker-Guided Clinical Development. (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2955420/?tool=pubmed
Hexahydrocannabinols, novel synthetic cannabinoid derivatives, suppress the tumor growth by inhibiting the VEGF secretion and angiogenesis. (abst – 2009) http://www.fasebj.org/cgi/content/meeting_abstract/23/1_MeetingAbstracts/761.3?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HWCIT


Endocannabinoid-like N-arachidonoyl serine is a novel pro-angiogenic mediator. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2936832/


Genetic and pharmacological inactivation of cannabinoid CB1 receptor inhibits angiogenesis. (full – 2011) http://bloodjournal.hematologylibrary.org/content/117/20/5541.long


A new strategy to block tumor angiogenesis by inhibiting endocannabinoid inactivation (abst – 2013) http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1105.6?sid=eea722c0-971c-4d4aa-8b8c-38c0e63c19ad


ANOREXIA NERVOSA - also see APPETITE STIMULANT


Blood levels of the endocannabinoid anandamide are increased in anorexia nervosa and in binge-eating disorder, but not in bulimia nervosa.  (full – 2005)  http://www.nature.com/npp/journal/v30/n6/full/1300695a.html

Lack of association of genetic variants in genes of the endocannabinoid system with anorexia nervosa  (full - 2008)  http://www.capmh.com/content/2/1/33


Elevated cannabinoid 1 receptor mRNA is linked to eating disorder related behavior and attitudes in females with eating disorders.  (abst – 2009)  http://www.ncbi.nlm.nih.gov/pubmed/19046818


Brain Type 1 Cannabinoid Receptor Availability in Patients with Anorexia and Bulimia Nervosa. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21718968


Fish oil promotes survival and protects against cognitive decline in severely undernourished mice by normalizing satiety signals. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21109417


The cannabinoid receptor agonist THC attenuates weight loss in a rodent model of activity-based anorexia. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3096804/?tool=pubmed

The cannabinoid receptor agonist THC attenuates weight loss in a rodent model of activity-based anorexia. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3096804/?tool=pubmed
Lower levels of cannabinoid 1 receptor mRNA in female eating disorder patients: Association with wrist cutting as impulsive self-injurious behavior. (abst – 2012)  


Do deficits in brain cannabinoids contribute to eating disorders?  (news – 2012)  

Brain Molecules and Appetite: The Case of Oleoylethanolamide  (link to PDF – 2013)  
http://www.eurekaselect.com/107948/article

The Role of the Endocannabinoid System in Eating Disorders: Neurochemical and Behavioural Preclinical Evidence.  (abst – 2013)  

Small animal PET imaging of the type 1 cannabinoid receptor in a rodent model for anorexia nervosa.  (abst – 2013)  

The endocannabinoid system and its possible role in neurobiology of psychiatric disorders  (abst – 2013)  

Study Explains Relationship Between Anorexia, Brain and Marijuana  (news - 2013)  

Dronabinol in severe, enduring anorexia nervosa: A randomized controlled trial  
(abst – 2014)  

ANTI-BACTERIAL PROPERTIES *

Antibacterial cannabinoids from Cannabis sativa: a structure-activity study.  (full - 2008)  

Cannabinoids kill hospital superbug MRSA  (news – 2008)  
http://www.worldhealth.net/news/cannabinoids_kill_hospital_superbug_mrsa/

Killing bacteria with cannabis  (news – 2008)  
Pot is good for you? Marijuana fights the superbugs (forum repost/news - 2008)

New biologically active compounds from cannabis (news - 2008)

A New MRSA Defense (news - 2008)
http://www.technologyreview.com/biomedicine/21366/?a=f

Chemicals in Marijuana May Fight MRSA (news - 2008)

Biologically Active Cannabinoids from High-Potency Cannabis sativa. (abst - 2009)
http://www.unboundmedicine.com/medline/citation/19344127/abstract/Biologically_Active_Cannabinoids_from_High_Potency_Cannabis_sativa


Natural plant cannabinoids reduce multi-drug resistant infections (news - 2009)

Cannabis Compounds Reduce Multi-Drug Resistant Infections (news - 2009)
http://www.medicalnewstoday.com/articles/147523.php

Antibacterial analysis of crude extracts from the leaves of Tagetes erecta and Cannabis sativa (full – 2010) http://www.ipublishing.co.in/ijesarticles/twelve/articles/voltwo/EIJES3150.pdf


Taming THC: potential cannabis synergy and phytocannabinoid-terpenoid entourage effects. (full - 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165946/

Effect of extraction conditions on total polyphenol contents, antioxidant and antimicrobial activities of Cannabis sativa L. (abst – 2012) http://www.cabdirect.org/abstracts/20123212113.html;jsessionid=DDBC2FF41C8322957AD4B468D3785A59?gitCommit=4.13.20-5-ga6ad01a


Can Marijuana Combat The ‘Catastrophic’ Rise Of Drug Resistant Bacteria? (news – 2013)
http://www.leafscience.com/2013/09/18/can-marijuana-combat-catastrophic-rise-drug-resistant-bacteria/

5 Health Benefits Of Cannabichromene (CBC) (news – 2013)
http://www.leafscience.com/2013/09/21/5-health-benefits-of-cannabichromene-cbc/
ANTI-FUNGAL PROPERTIES

Biologically Active Cannabinoids from High-Potency Cannabis sativa. (abst - 2009)
http://www.unboundmedicine.com/medline/ebm/record/19344127/abstract/Biologically_Active_Cannabinoids_from_High_Potency_Cannabis_sativa:

5 Health Benefits Of Cannabichromene (CBC) (news – 2013)
http://www.leafscience.com/2013/09/21/5-health-benefits-of-cannabichromene-cbc/

ANTI-INFLAMMATORY PROPERTIES *


Antiinflammatory action of endocannabinoid palmitoylethanolamide and the synthetic cannabinoid nabilone in a model of acute inflammation in the rat (full - 2002)

Inhibition of Inflammatory Hyperalgesia by Activation of Peripheral CB2 Cannabinoid Receptors (full – 2003)


Cannabinoids and neuroinflammation (full - 2004)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1574256/?tool=pmcentrez

Inflammation and cancer IV. Colorectal cancer in inflammatory bowel disease: the role of inflammation. (full - 2004) http://ajpgi.physiology.org/cgi/content/full/287/1/G7


Stimulation of cannabinoid receptor 2 (CB2) suppresses microglial activation (link to PDF – 2005) http://www.springerlink.com/content/tq77102q4185073/fulltext.html


Role of the Cannabinoid System in Pain Control and Therapeutic Implications for the Management of Acute and Chronic Pain Episodes (full - 2006) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2430692/?tool=pubmed

Involvement of the Cannabinoid CB2 Receptor and Its Endogenous Ligand 2-Arachidonoylglycerol in Oxazolone-Induced Contact Dermatitis in Mice (full – 2006) http://www.jimmunol.org/content/177/12/8796.full


Endocannabinoid metabolism and uptake: novel targets for neuropathic and inflammatory pain (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190014/?tool=pubmed

Cannabinoid-2 receptor agonist HU-308 protects against hepatic ischemia/reperfusion injury by attenuating oxidative stress, inflammatory response, and apoptosis (full - 2007) http://www.jleukbio.org/cgi/content/full/82/6/1382

Cannabidiol in vivo blunts β-amyloid induced neuroinflammation by suppressing IL-1β and iNOS expression (Alzheimer’s) (full - 2007) http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2189818&tool=pmcentre
Opposing control of cannabinoid receptor stimulation on amyloid-beta-induced reactive gliosis: in vitro and in vivo evidence. (full - 2007)
http://jpet.aspetjournals.org/content/322/3/1144.long

Cannabidiol displays unexpectedly high potency as an antagonist of CB1 and CB2 receptor agonists in vitro (full - 2007)

Honokiol, a natural plant product, inhibits inflammatory signals and alleviates inflammatory arthritis. (full – 2007) http://www.jimmunol.org/content/179/2/753.long

Anti-inflammatory property of the cannabinoid agonist WIN-55212-2 in a rodent model of chronic brain inflammation (full - 2007)

Anti-inflammatory property of the cannabinoid receptor-2-selective agonist JWH-133 in a rodent model of autoimmune uveoretinitis (full - 2007)

The endocannabinoid system in targeting inflammatory neurodegenerative diseases (full - 2007)
http://www.academia.edu/5172933/The_endocannabinoid_system_in_targeting_inflammatory_neurodegenerative_diseases

Cannabinoid CB2 receptors: a therapeutic target for the treatment of inflammatory and neuropathic pain (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219541/?tool=pmcentrez

Endocannabinoids, cannabinoid receptors and inflammatory stress: an interview with Dr. Pál Pacher (interview - 2007)
http://www.jleukbio.org/cgi/content/full/82/6/1390?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=880&resourcetype=HWCIT

Cannabinoids and neuroprotection in motor-related disorders. (abst - 2007)

Cannabis tinctures and extracts – in vitro profiling for cytotoxic and anti-inflammatory effects (abst – 2007)

Cannabinoids for the treatment of inflammation. (abst - 2007)

A cannabinoid agonist differentially attenuates deep tissue hyperalgesia in animal models of cancer and inflammatory muscle pain. (abst – 2007)
Constituents Of Hashish And Marijuana May Help To Fight Inflammation And Allergies (news - 2007)  

Pot Chemical May Curb Inflammation (news – 2007)  

Endocannabinoids appear to play important role in regulating inflammation (news - 2007)  

Hippies vindicated: Human-produced cannabinoids have anti-inflammatory powers (news – 2007)  
http://www.sciencecodex.com/hippies_vindicated_human_produced_cannabinoids_have_anti_inflammatory_powers

Anti-inflammatory cannabinoids in diet (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2633791/?tool=pmcentrez

Cannabinoid receptors in acute and chronic complications of atherosclerosis (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219535/?tool=pmcentrez

Cannabinoid receptor stimulation is anti-inflammatory and improves memory in old rats. (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2586121/?tool=pubmed

Inflammation and aging: can endocannabinoids help? (full - 2008)  

Cannabinoid CB2 receptors in human brain inflammation (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219537/

Cannabinoid Modulation of Cutaneous A{delta} Nociceptors During Inflammation (full - 2008)  
http://in.physiology.org/cgi/reprint/100/5/2794

Cannabinoid modulation of cutaneous Adelta nociceptors during inflammation. (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2585399/?tool=pubmed

Inhibition of human neutrophil chemotaxis by endogenous cannabinoids and phytocannabinoids: evidence for a site distinct from CB1 and CB2. (full – 2008)  
http://molpharm.aspetjournals.org/content/73/2/441.long

Cannabidiol in medicine: a review of its therapeutic potential in CNS disorders. (abst - 2008)  
http://www.unboundmedicine.com/medline/ebm/record/18844286/abstract/Cannabidiol_in_medicine:_a_review_of_its_therapeutic_potential_in_CNS_disorders

Ajulemic acid, a synthetic cannabinoid acid, induces an antiinflammatory profile of eicosanoids in human synovial cells. (abst – 2008)  
Discovery of a novel cannabinoid in food (abst – 2008)

Scientists are High on Idea that Cannabis Reduces Memory Impairment (news - 2008)

Why Cannabis Stems Inflammation (news - 2008)
http://www.sciencedaily.com/releases/2008/07/080720222549.htm

Emerging Role of the CB2 Cannabinoid Receptor in Immune Regulation and Therapeutic Prospects (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2768535/?tool=pmcentrez

Cannabinoid CB2 Receptor Potentiates Obesity-Associated Inflammation, Insulin Resistance and Hepatic Steatosis (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2688760/?tool=pubmed

Cannabinoids Δ9-Tetrahydrocannabinol and Cannabidiol Differentially Inhibit the Lipopolysaccharide-activated NF-κB and Interferon-β/STAT Proinflammatory Pathways in BV-2 Microglial Cells (full – 2009)
http://www.jbc.org/content/285/3/1616.full?sid=43211ca4-a4aa-4182-a554-d15e2835e288

Ajulemic acid, a synthetic cannabinoid, increases formation of the endogenous proresolving and anti-inflammatory eicosanoid, lipoxin A4 (full - 2009)
http://www.fasebj.org/cgi/content/full/23/5/1503?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=2400&resourcetype=HWCIT

Cannabinoids as Therapeutic Agents for Ablating Neuroinflammatory Disease (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2750822/?tool=pmcentrez

Cannabinoid Attenuates Cisplatin-Induced Nephrotoxicity by Decreasing Oxidative/Nitrosative Stress, Inflammation, and Cell Death (full – 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2682269/


Cannabinoids, Endocannabinoids, and Related Analogs in Inflammation (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2664885/?tool=pmcentrez

Endocannabinoid signalling as an anti-inflammatory therapeutic target in atherosclerosis: does it work? (full – 2009)
http://cardiovascres.oxfordjournals.org/content/84/3/341.full?sid=7d2438c4-a727-410f-870d-4a971695b4fb

Pretreatment with electroacupuncture induces rapid tolerance to focal cerebral ischemia through regulation of endocannabinoid system. (full – 2009)
http://stroke.ahajournals.org/content/40/6/2157.long
The nonpsychotropic cannabinoid cannabidiol modulates and directly activates alpha-1 and alpha-1-Beta glycine receptor function  
(abort – 2009)  

Cannabidiol decreases bone resorption by inhibiting RANK/RANKL expression and pro-inflammatory cytokines during experimental periodontitis in rats.  
(abort - 2009)  

Cannabinoids attenuate the effects of aging upon neuroinflammation and neurogenesis.  
(abort – 2009)  

Endogenous anandamide and cannabinoid receptor-2 contribute to electroacupuncture analgesia in rats.  
(abort – 2009)  

Cannabinoid-induced apoptosis in immune cells as a pathway to immunosuppression.  
(full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3005548/?tool=pubmed

Cannabinoids and Viral Infections  
(full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2903762/?tool=pmcentrez

US Patent Application 20100222437 - COMPOSITION CONTAINING NON-PHYCHOTROPIC CANNABINOIDS FOR THE TREATMENT OF INFLAMMATORY DISEASES  
(full – 2010)  
http://www.patentstorm.us/applications/20100222437/fulltext.html

The endocannabinoid system as a target for the treatment of neurodegenerative disease  
(full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931550/?tool=pubmed

The effects of Delta-tetrahydrocannabinol and cannabidiol alone and in combination on damage, inflammation and in vitro motility disturbances in rat colitis.  
(full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931570/?tool=pubmed

Regulatory Role of Cannabinoid Receptor 1 in Stress-Induced Excitotoxicity and Neuroinflammation  
(full - 2010)  
http://www.nature.com/npp/journal/vaop/ncurrent/full/npp2010214a.html

Synthesis of Novel Cannabinoid Ligands and Their Use as Anti-Glioma and Anti-Inflammatory Agents  
(full – 2010)  

N-arachidonoyl glycine, an abundant endogenous lipid, potently drives directed cellular migration through GPR18, the putative abnormal cannabidiol receptor  
(full – 2010)  
http://www.biomedcentral.com/1471-2202/11/44

Acute administration of cannabidiol in vivo suppresses ischaemia-induced cardiac arrhythmias and reduces infarct size when given at reperfusion.  
(full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2936031/?tool=pubmed
Naphthalen-1-yl-(4-pentyloxy)naphthalen-1-yl)methanone (SAB378), a peripherally restricted cannabinoid CB1/CB2 receptor agonist, inhibits gastrointestinal motility but has no effect on experimental colitis in mice. (full – 2010) http://jpet.aspetjournals.org/content/334/3/973.long


Beneficial effects of cannabinoids (CB) in a murine model of allergen-induced airway inflammation: Role of CB(1)/CB(2) receptors. (abst - 2010) http://www.unboundmedicine.com/medline/ebm/record/21056512/abstract/Beneficial_effects_of_cannabinoids_CB_in_a_murine_model_of_allergen_induced_airway_inflammation_Role_of_CB_1_CB_2_receptors


Cannabidiol reduces lipopolysaccharide-induced vascular changes and inflammation in the mouse brain: an intravital microscopy study (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3034694/?tool=pmcentrez

Cannabidiol Reduces Aβ-Induced Neuroinflammation and Promotes Hippocampal Neurogenesis through PPARγ Involvement (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3230631/?tool=pubmed


Cannabidiol reduces intestinal inflammation through the control of neuroimmune axis. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3232190/?tool=pubmed

Local activation of cannabinoid CB1 receptors in the urinary bladder reduces the inflammation-induced sensitization of bladder afferents. (full – 2011) http://www.molecularpain.com/content/pdf/1744-8069-7-31.pdf
Cannabinoid CB2 Receptors Contribute to Upregulation of β-endorphin in Inflamed Skin Tissues by Electroacupuncture  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3281798/

The Antinociceptive Effects of JWH-015 in Chronic Inflammatory Pain Are Produced by Nitric Oxide-cGMP-PKG-KATP Pathway Activation Mediated by Opioids.  
(full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3198780/?tool=pubmed

Increasing endogenous 2-arachidonoylglycerol levels counteracts colitis and related systemic inflammation.  
(full – 2011)  
http://www.fasebj.org/content/25/8/2711.long

Cannabinoid Receptor Type 1 Protects Nigrostriatal Dopaminergic Neurons against MPTP Neurotoxicity by Inhibiting Microglial Activation.  
(full – 2011)  
http://www.jimmunol.org/content/187/12/6508.full?sid=c3422dd2-7ad0-42e4-a862-845dc670f7cf

Effects of cannabinoids and cannabinoid-enriched Cannabis extracts on TRP channels and endocannabinoid metabolic enzymes.  
(full – 2011)  

Differential transcriptional profiles mediated by exposure to the cannabinoids cannabidiol and Δ(9) -tetrahydrocannabinol in BV-2 microglial cells  
(full – 2011)  

Cannabidiol protects against hepatic ischemia/reperfusion injury by attenuating inflammatory signaling and response, oxidative/nitrative stress, and cell death.  
(full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3081988/pdf/nihms278422.pdf

GPR55 regulates cannabinoid 2 receptor-mediated responses in human neutrophils.  
(full – 2011)  

Resolution of inflammation by N-arachidonoylglycine.  
(full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3196844/

Inhibition of COX-2 expression by endocannabinoid 2-arachidonoylglycerol is mediated via PPAR-γ  
(full – 2011)  

Cannabinoids and Innate Immunity: Taking a Toll on Neuroinflammation  
(link to PDF– 2011)  

Cannabidiol as an emergent therapeutic strategy for lessening the impact of inflammation on oxidative stress.  
(abst – 2011)  

Immunomodulatory properties of kappa opioids and synthetic cannabinoids in HIV-1 neuropathogenesis.  
(abst – 2011)  
Deletion of cannabinoid receptors 1 and 2 exacerbates APC function to increase inflammation and cellular immunity during influenza infection. (abst – 2011)

A synthetic cannabinoid, CP55940, inhibits lipopolysaccharide-induced cytokine mRNA expression in a cannabinoid receptor-independent mechanism in rat cerebellar granule cells. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/21492165/abstract/A_synthetic_cannabinoid_CP55940_inhibits_lipopolysaccharide_induced_cytokine_mRNA_expression_in_a_cannabinoid_receptor_independent_mechanism_in_rat_cerebellar_granule_cells

New metabolic pathway for controlling brain inflammation (news – 2011)

Prolonged oral Cannabinoid Administration prevents Neuroinflammation, lowers beta-amyloid Levels and improves Cognitive Performance in Tg APP 2576 Mice. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3292807/


The fatty acid amide hydrolase inhibitor URB597 exerts anti-inflammatory effects in hippocampus of aged rats and restores an age-related deficit in long-term potentiation (full – 2012) http://www.jneuroinflammation.com/content/9/1/79

Mechanistic and Pharmacological Characterization of PF-04457845: A Highly Potent and Selective Fatty Acid Amide Hydrolase Inhibitor That Reduces Inflammatory and Noninflammatory Pain (full – 2012) http://jpet.aspetjournals.org/content/338/1/114.full

The synthetic cannabinoid R(+)WIN55,212-2 augments interferon-β expression via peroxisome proliferator-activated receptor-α (full – 2012) http://www.jbc.org/content/early/2012/05/31/jbc.M112.371757.full.pdf+html


Can the benefits of cannabinoid receptor stimulation on neuroinflammation, neurogenesis and memory during normal aging be useful in AD prevention? (full – 2012)
http://www.jneuroinflammation.com/content/9/1/10

Update on the role of cannabinoid receptors after ischemic stroke. (full – 2012)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3337695/?tool=pubmed

Palmitoylethanolamide exerts neuroprotective effects in mixed neuroglial cultures and organotypic hippocampal slices via peroxisome proliferator-activated receptor-α. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3315437/?tool=pubmed

The fatty acid amide hydrolase inhibitor URB597 exerts anti-inflammatory effects in hippocampus of aged rats and restores an age-related deficit in long-term potentiation (full – 2012) http://www.jneuroinflammation.com/content/9/1/79


Fish oil and inflammatory status alter the n-3 to n-6 balance of the endocannabinoid and oxylipin metabolomes in mouse plasma and tissues (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3483099/

Review article: The endocannabinoid system in normal and pathological brain ageing (full – 2012) http://rstb.royalsocietypublishing.org/content/367/1607/3326.full?sid=161e7b36-5055-448b-962e-697c782e901d

Dietary linoleic acid elevates endogenous 2-arachidonoylglycerol and anandamide in Atlantic salmon (Salmo salar L.) and mice, and induces weight gain and inflammation in mice. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3548985/

β−Amyloid exacerbates inflammation in astrocytes lacking fatty acid amide hydrolase through a mechanism involving PPAR-α, PPAR-γ and TRPV1, but not CB1 or CB2 receptors (full – 2012) http://onlinelibrary.wiley.com/doi/10.1111/j.1476-5381.2012.01889.x/pdf

The fatty acid amide hydrolase (FAAH) inhibitor PF-3845 acts in the nervous system to reverse LPS-induced tactile allodynia in mice (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3423256/

Effects of palmitoylethanolamide on intestinal injury and inflammation caused by ischemia-reperfusion in mice (full – 2012) http://www.jleukbio.org/content/91/6/911.full

Methylhonokiol attenuates neuroinflammation: a role for cannabinoid receptors? (full – 2012) http://www.jneuroinflammation.com/content/9/1/135
Review article: Mast cell–glia axis in neuroinflammation and therapeutic potential of the anandamide congener palmitoylethanolamide (abst – 2012)

4-O-methylhonokiol prevents memory impairment in the Tg2576 transgenic mice model of Alzheimer's disease via regulation of β-secretase activity. (abst – 2012)

Cannabidiol, a non-psychotrophic plant-derived cannabinoid, decreases inflammation in a murine model of acute lung injury: Role for the adenosine A(2A) receptor. (abst – 2012)

Endocannabinoids limit excessive mast cell maturation and activation in human skin. (abst – 2012)


Cannabinoid signalling regulates inflammation and energy balance: The importance of the brain-gut axis. (abst – 2012)

The Role of Cannabinoids In Inflammatory Modulation of Allergic Respiratory Disorders, Inflammatory Pain and Ischemic Stroke. (abst – 2012)

WIN55212-2 attenuates amyloid-beta-induced neuroinflammation in rats through activation of cannabinoid receptors and PPAR-γ pathway. (abst – 2012)

Cannabidiol for neurodegenerative disorders: important new clinical applications for this phytocannabinoid? (abst – 2012)

Cannabinoids suppress inflammatory and neuropathic pain by targeting α3 glycine receptors. (abst – 2012)

Differential migratory properties of monocytes isolated from human subjects naïve and non-naïve to Cannabis. (abst – 2012)

Cannabinoid receptor-2-selective agonists improve recovery in experimental autoimmune encephalomyelitis (abst – 2012)
http://www.jimmunol.org/cgi/content/meeting_abstract/188/1_MeetingAbstracts/116.7?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=130&sortspec=date&resourcetype=HWCIT

Anti-Inflammatory Effect of the Endocannabinoid Anandamide in Experimental Periodontitis and Stress in the Rat. (abst – 2012)


Palmitoylethanolamide is a new possible pharmacological treatment for the inflammation associated with trauma. (abst – 2012)

CD200-CD200R1 interaction contributes to neuroprotective effects of anandamide on experimentally induced inflammation (abst – 2012)

Update on the endocannabinoid-mediated regulation of gelatinase release in arterial wall physiology and atherosclerotic pathophysiology. (abst – 2012)

Cannabidiol (CBD) enhances lipopolysaccharide (LPS)-induced pulmonary inflammation in C57BL/6 mice. (abst – 2012)

Cannabidiol reduces host immune response and prevents cognitive impairments in Wistar rats submitted to pneumococcal meningitis (abst – 2012)

Electroacupuncture reduces the expression of proinflammatory cytokines in inflamed skin tissues through activation of cannabinoid CB2 receptors. (abst – 2012)

Molecular evidence for the involvement of PPAR-δ and PPAR-γ in anti-inflammatory and neuroprotective activities of palmitoylethanolamide after spinal cord trauma (full – 2013) http://www.jneuroinflammation.com/content/10/1/20

The cannabinoid receptor type 2 as mediator of mesenchymal stromal cell immunosuppressive properties. (full – 2013)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0080022

Monoacylglycerol Lipase (MAGL) Inhibition Attenuates Acute Lung Injury in Mice. (full – 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3808422/

The monoacylglycerol lipase inhibitor JZL184 suppresses inflammatory pain in the mouse carrageenan model. (full – 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3717616/

The cannabinoid CB2 receptor-selective phytocannabinoid beta-caryophyllene exerts analgesic effects in mouse models of inflammatory and neuropathic pain (full – 2013)
http://www.europeanneuropsychopharmacology.com/article/S0924-977X%2813%2900302-7/fulltext

The Dual Effect of Cannabinoid Receptor-1 Deficiency on the Murine Postoperative Ileus (full – 2013)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0067427

Effects on Immune Cells of a New 1,8-Naphthyridin-2-One Derivative and Its Analogues as Selective CB2 Agonists: Implications in Multiple Sclerosis (full – 2013)
Palmitoylethanolamide and luteolin ameliorate development of arthritis caused by injection of collagen type II in mice. (full – 2013)
http://arthritis-research.com/content/15/6/R192

A new co-ultramicronized composite including palmitoylethanolamide and luteolin to prevent neuroinflammation in spinal cord injury. (full – 2013)
http://www.jneuroinflammation.com/content/10/1/91

Palmitoylethanolamide Reduces Formalin-Induced Neuropathic-Like Behaviour Through Spinal Glial/Microglial Phenotypical Changes in Mice. (link to PDF – 2013)
http://www.eurekaselect.com/107975/article

Neuroglial Roots of Neurodegenerative Diseases: Therapeutic Potential of Palmitoylethanolamide in Models of Alzheimer’s Disease. (link to PDF – 2013)
http://www.eurekaselect.com/107977/article


The cannabinoid TRPA1 agonist cannabichromene inhibits nitric oxide production in macrophages and ameliorates murine colitis. (abst – 2013)

Inhibition of endocannabinoid degradation in experimental endotoxemia reduces leukocyte adhesion and improves capillary perfusion in the gut. (abst – 2013)

New Insights in Mast Cell Modulation by Palmitoylethanolamide. (abst – 2013)


Cannabinoid receptor modulation of the endothelial cell inflammatory response (abst – 2013)  http://www.jimmunol.org/cgi/content/meeting_abstract/190/1_MeetingAbstracts/112.29?sid=c3422dd2-7ad0-42e4-a862-845dc670f7cf

Cannabinoid CB2 receptors as novel target for inhibiting house dust mite induced allergic airway inflammation (abst – 2013)  http://www.jimmunol.org/cgi/content/meeting_abstract/190/1_MeetingAbstracts/120.12?sid=c3422dd2-7ad0-42e4-a862-845dc670f7cf

Palmitoylethanolamide is a New Possible Pharmacological Treatment for the Inflammation Associated with Trauma (abst – 2013)  http://www.eurekaselect.com/106175/article


Anti-inflammatory activity of topical THC in DNFB-mediated mouse allergic contact dermatitis independent of CB1 and CB2 receptors  (abst – 2013)  

Prospects for cannabinoid therapies in viral encephalitis.  (abst – 2013)  

Selective Activation of Cannabinoid Receptor 2 in Leukocytes Suppresses Their Engagement of the Brain Endothelium and Protects the Blood-Brain Barrier.  (abst – 2013)  

The Influence of Cannabinoids on Generic Traits of Neurodegeneration.  (abst – 2013)  

Cannabidiol in inflammatory bowel diseases: a brief overview.  (abst – 2013)  

Cannabidiol provides long-lasting protection against the deleterious effects of inflammation in a viral model of multiple sclerosis: a role for A2A receptors.  (abst – 2013)  

Long-term supplementation of honokiol and magnolol ameliorates body fat accumulation, insulin resistance, and adipose inflammation in high-fat fed mice.  (abst – 2013)  


Inhibition of fatty acid amide hydrolase (FAAH) as a novel therapeutic strategy in the treatment of pain and inflammatory diseases in the gastrointestinal tract  (abst – 2013)  

Anti-inflammatory effects of Cannabinoid 2 Receptor activation in endotoxin-induced uveitis.  (abst – 2013)  

The cannabinoid TRPA1 agonist cannabichromene inhibits nitric oxide production in macrophages and ameliorates murine colitis.  (abst – 2013)  

Endocannabinoids: a unique opportunity to develop multitarget analgesics.  (abst – 2013)  

Actions of the dual FAAH/MAGL inhibitor JZL195 in a murine inflammatory pain model.  (abst – 2013)  

Sending multiple sclerosis up in smoke  (news – 2013)  
5 Health Benefits Of Cannabichromene (CBC)  (news – 2013)
http://www.leafscience.com/2013/09/21/5-health-benefits-of-cannabichromene-cbc/

New Study: THC May Treat Inflammatory Diseases and Cancer By Altering Genes (news – 2013)

Marijuana's Memory Paradox  (news/ forum repost – 2013)
http://ehealthforum.com/health/interesting-t164409.html

The endocannabinoid system: an emerging key player in inflammation.  (abst – 2014)

Trans-Caryophyllene Suppresses Hypoxia-Induced Neuroinflammatory Responses by Inhibiting NF-κB Activation in Microglia.  (abst – 2014)

Endocannabinoids affect innate immunity of Muller glia during HIV-1 Tat cytotoxicity.  (abst – 2014)

Drugs Related to Cannabis Have Pain-Relieving Potential for Osteoarthritis  (news – 2014)
http://www.sciencedaily.com/releases/2014/01/140107092825.htm

**ANTI-PROTOZOAAN PROPERTIES** *


Endocannabinoids Inhibit the Growth of Free-Living Amoebae  (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2897284/?tool=pubmed

Trypanocidal Effect of Cannabis sativa on Experimental Camel Trypansomosis  (full – 2012)  

Effects of cannabinoid treatment on Chagas disease pathogenesis: balancing inhibition of parasite invasion and immunosuppression #  (full – 2013)

Trans-sialidase Stimulates Eat Me Response from Epithelial Cells #  (full – 2013)
ANTIOXIDANT PROPERTIES *

Cannabinoids protect cells from oxidative cell death: a receptor-independent mechanism. (full - 2000) http://jpet.aspetjournals.org/content/293/3/807.full


Protective effects of Δ9-tetrahydrocannabinol against N-methyl-D-aspartate-induced AF5 cell death (full - 2005) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1824211/?tool=pmcentrez

Comparison of Cannabidiol, Antioxidants, and Diuretics in Reversing Binge Ethanol-Induced Neurotoxicity (full - 2005) http://jpet.aspetjournals.org/content/314/2/780.full


Cannabidiol Attenuates Cisplatin-Induced Nephrotoxicity by Decreasing Oxidative/Nitrosative Stress, Inflammation, and Cell Death  (full – 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2682269/


Acute administration of cannabidiol in vivo suppresses ischaemia-induced cardiac arrhythmias and reduces infarct size when given at reperfusion.  (full – 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2936031/?tool=pubmed

Cannabidiol reduces lipopolysaccharide-induced vascular changes and inflammation in the mouse brain: an intravital microscopy study  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3034694/?tool=pmcentrez

Antioxidant Activities and Oxidative Stabilities of Some Unconventional Oilseeds  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3311859/?tool=pubmed

Review article: The endocannabinoid system in normal and pathological brain ageing  (full – 2012)  http://rstb.royalsocietypublishing.org/content/367/1607/3326.full?sid=161e7b36-5055-448b-962e-697c782e901d

Δ(8) -Tetrahydrocannabivarin prevents hepatic ischaemia/reperfusion injury by decreasing oxidative stress and inflammatory responses through cannabinoid CB(2) receptors.  (abst – 2012)  http://www.ncbi.nlm.nih.gov/pubmed/21470208


Understanding the Molecular Aspects of Tetrahydrocannabinol and Cannabidiol as Antioxidants (link to PDF - 2013) http://www.mdpi.com/1420-3049/18/10/12663


Cannabidiol protects liver from binge alcohol-induced steatosis by mechanisms including inhibition of oxidative stress and increase in autophagy (abst – 2014) http://www.ncbi.nlm.nih.gov/pubmed/24398069

ANXIETY/ ANXIOLYTIC EFFECTS * (anxiety reducing)

Anxiety with Depression Research Review (full - 2000) http://www.ukcia.org/research/AnxietyWithDepressionResearchReview.pdf

Therapeutic aspects of cannabis and cannabinoids. (full - 2001) http://bip.rcpsych.org/cgi/content/full/178/2/107


Easing anxiety with anandamide (news – 2004)

Cannabinoids promote embryonic and adult hippocampus neurogenesis and produce anxiolytic- and antidepressant-like effects (full - 2005)
http://www.jci.org/cgi/content/full/115/11/3104

Enhancing Cannabinoid Neurotransmission Augments the Extinction of Conditioned Fear (full - 2005)
http://www.nature.com/npp/journal/v30/n3/full/1300655a.html

Cannabidiol as an antipsychotic. A double-blind, controlled clinical trial on cannabidiol vs. amisulpride in acute schizophrenia. (full - 2005)
http://www.nature.com/tp/journal/v2/n3/full/tp201215a.html

High-dose cannabis stimulates growth of brain cells in rats (news – 2005)

Marijuana might cause new cell growth in the brain (news – 2005)
(may need registration) http://www.newscientist.com/article/dn8155

Endocannabinoids -- The Brain's Cannabis -- Demonstrate Novel Modes Of Action To Stress (news - 2005)

Cannabinoid CB1 Receptor Mediates Fear Extinction via Habituation-Like Processes (full - 2006)
http://www.jneurosci.org/cgi/content/full/26/2/6677?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=400&resourcetype=HWCIT

Delta-9-tetrahydrocannabinol for nighttime agitation in severe dementia (full/ forum repost - 2006)

Cannabidiol, a Cannabis sativa constituent, as an antipsychotic drug (full - 2006)
http://www.scielo.br/scielo.php?pid=S0100-879X2006000400001&script=sci_arttext#Text

Anxiolytic-like properties of the anandamide transport inhibitor AM404. (full – 2006)
http://www.nature.com/npp/journal/v31/n12/full/1301061a.html


Chronologically overlapping occurrences of nicotine-induced anxiety- and depression-related behavioral symptoms: effects of anxiolytic and cannabinoid drugs (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2075518/?tool=pubmed

Modulation of Fear and Anxiety by the Endogenous Cannabinoid System (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2789283/?tool=pmcentrez
Cannabinoid Modulation of Amygdala Reactivity to Social Signals of Threat in Humans (full - 2008) http://www.jneurosci.org/cgi/content/full/28/10/2313?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT

The association between anxiety and alcohol versus cannabis abuse disorders among adolescents in primary care settings (full - 2008) http://fampra.oxfordjournals.org/cgi/content/full/25/5/321


Preservation of Striatal Cannabinoid CB1 Receptor Function Correlates with the Antianxiety Effects of Fatty Acid Amide Hydrolase Inhibition (full – 2010)
http://molpharm.aspetjournals.org/content/78/2/260.long


A behavioural comparison of acute and chronic Delta9-tetrahydrocannabinol and cannabidiol in C57BL/6J Arc mice. (abst – 2010)
http://www.unboundmedicine.com/medline/ebm/record/19785914/abstract/A_behavioural_comparison_of_acute_and_chronic_Delta9_tetrahydrocannabinol_and_cannabidiol_in_C57BL/6J_Arc_mice

Intra-dorsal periaqueductal gray administration of cannabidiol blocks panic-like response by activating 5-HT1A receptors. (abst – 2010)
http://www.unboundmedicine.com/medline/ebm/record/20457188/abstract/Intra_dorsal_periaqueductal_gray_administration_of_cannabidiol_blocks_panic_like_response_by_activating_5-HT1A_receptors


Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3242307/

Inhibition of endocannabinoid catabolic enzymes elicits anxiolytic-like effects in the marble burying assay. (full – 2011)


Effects of intracisternal administration of cannabidiol on the cardiovascular and behavioral responses to acute restraint stress. (abst – 2011)


Effect of cannabidiol on sleep disruption induced by the repeated combination tests consisting of open field and elevated plus-maze in rats. (abst – 2011)
Anti-Aversive Effects of Cannabidiol on Innate Fear-Induced Behaviors Evoked by an Ethological Model of Panic Attacks Based on a Prey vs the Wild Snake Epicrates cenchria crassus Confrontation Paradigm. (abst - 2011)

Behavioral alterations in cystic fibrosis mice are prevented by cannabinoid treatment in infancy (abst – 2011)

A polymorphism in the gene of the endocannabinoid-degrading enzyme FAAH (FAAH C385A) is associated with emotional–motivational reactivity (full – 2012)

Differences in Spontaneously Avoiding or Approaching Mice Reflect Differences in CB1-Mediated Signaling of Dorsal Striatal Transmission. (full – 2012)

Cannabidiol, a Cannabis sativa constituent, as an anxiolytic drug. (full – 2012)

The endocannabinoid system in the rat dorsolateral periaqueductal grey mediates fear-conditioned analgesia and controls fear expression in the presence of nociceptive tone (full – 2012)

Interleukin-1β causes anxiety by interacting with the endocannabinoid system. (full – 2012)

Acute Stress Increases Circulating Anandamide and Other N-Acylethanolamines in Healthy Humans (full – 2012)

Comparative Study of Sedation, Pre-Anesthetic and Anti-Anxiety Effects of Hemp Seed Extract and Diazepam in Rats (full – 2012)

Bidirectional regulation of endocannabinoid signaling in the amygdala contributes to activation and adaptation of the stress response (abst – 2012)

Cannabidiol inhibits THC-elicited paranoid symptoms and hippocampal-dependent memory impairment. (abst – 2012)

Opposing Roles for Cannabinoid Receptor Type-1 (CB(1)) and Transient Receptor Potential Vanilloid Type-1 Channel (TRPV1) on the Modulation of Panic-Like Responses in Rats. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/21937980


Cannabinoid CB1 receptor deficiency increases contextual fear memory under highly aversive conditions and long-term potentiation in vivo. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22579951


Opposing local effects of endocannabinoids on the activity of noradrenergic neurons and release of noradrenaline: relevance for their role in depression and in the actions of CB(1) receptor antagonists. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22990678


Chronic cannabinoid exposure reduces phencyclidine-induced schizophrenia-like positive symptoms in adult (abst – 2012) http://www.safetylit.org/citations/index.php?fuseaction=citations.viewdetails&citationIds[]=citjournalarticle_e_374483_1


Effect of dietary fat type on anxiety-like and depression-like behavior in mice (full – 2013)  http://www.springerplus.com/content/2/1/165

Translational evidence for the involvement of the endocannabinoid system in stress-related psychiatric illnesses. (full – 2013)  http://www.biolmoodanxietydisord.com/content/3/1/19

Voluntary Running in Young Adult Mice Reduces Anxiety-Like Behavior and Increases the Accumulation of Bioactive Lipids in the Cerebral Cortex (full – 2013)  http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0081459


Activation of the sympathetic nervous system mediates hypophagic and anxiety-like effects of CB1 receptor blockade.  

Involvement of prelimbic medial prefrontal cortex in panic-like elaborated defensive behaviour and innate fear-induced antinociception elicited by GABAA receptor blockade in the dorsomedial and ventromedial hypothalamic nuclei: role of the endocannabinoid CB1 receptor.  

Entopeduncular nucleus endocannabinoid system modulates sleep-waking cycle and mood in rats.  

CB1 receptor signaling regulates social anxiety and memory.  

Neonatal lipopolysaccharide treatment has long-term effects on monoaminergic and cannabinoid receptors in the rat  

Cannabidiol attenuates the long lasting cognitive deficits and anxiogenic-like behaviors promoted by murine cerebral malaria  
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1097.9?sid=eea722c0-971c-4dab-8b8c-38c0e63c19ad

Effects of compounds that interfere with the endocannabinoid system on behaviors predictive of anxiolytic and panicolytic activity in the elevated T-maze  

Modulation of anxiety-like behaviour by the endocannabinoid 2-arachidonoylglycerol (2-AG) in the dorsolateral periaqueductal gray.  

The effects of anandamide signaling enhanced by the FAAH inhibitor URB597 on coping styles in rats.  

Rimonabant precipitates anxiety in rats withdrawn from palatable food: role of the central amygdale.  

Cannabinoids, Neurogenesis and Antidepressant Drugs: Is there a Link?  
http://www.eurekaselect.com/109295/article

Complex interaction between anandamide and the nitrergic system in the dorsolateral periaqueductal gray to modulate anxiety-like behavior in rats.  

Substrate-selective COX-2 inhibition decreases anxiety via endocannabinoid activation.  


Anandamide administration into the ventromedial hypothalamus stimulates appetite in rats (full - 2001) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573067/?tool=pmcentrez

Neuroprotection by Delta 9-Tetrahydrocannabinol, the Main Active Compound in Marijuana, against Ouabain-Induced In Vivo Excitotoxicity (full - 2001) http://www.jneurosci.org/content/21/17/6475.full


A Peripheral Mechanism for CB1 Cannabinoid Receptor-Dependent Modulation of Feeding (full - 2002) http://www.jneurosci.org/content/22/21/9612.full


The endogenous cannabinoid system affects energy balance via central orexigenic drive and peripheral lipogenesis (full - 2003) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC166293/


Food for thought: endocannabinoid modulation of lipogenesis  (full - 2005)  http://www.jci.org/articles/view/25076/version/1


Suppression of feeding, drinking, and locomotion by a putative cannabinoid receptor ‘silent antagonist’ (abst – 2005)  

THC effective in appetite and weight loss in severe lung disease (COPD)  (news - 2005)  

Machinery Of The 'Marijuana Munchies'  (news - 2005)  

Comparison of orally administered cannabis extract and delta-9-tetrahydrocannabinol in treating patients with cancer-related anorexia-cachexia syndrome: a multicenter, phase III, randomized, double-blind, placebo-controlled clinical trial from the Cannabis-In-Cachexia-Study-Group  (full - 2006)  
http://jco.ascopubs.org/content/24/21/3394.long

Cannabinoids In Medicine: A Review Of Their Therapeutic Potential  (full – 2006)  

Lack of tolerance to the suppressing effect of rimonabant on chocolate intake in rats.  (abst – 2006)  

Effect of a cannabinoid agonist on gastrointestinal transit and postprandial satiation in healthy human subjects: a randomized, placebo-controlled study  (abst - 2006)  

The synthetic cannabinoid nabilone improves pain and symptom management in cancer patients  (abst - 2006)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=177

Methods evaluating cannabinoid and endocannabinoid effects on gastrointestinal functions.  (abst – 2006)  

Dronabinol for supportive therapy in patients with malignant melanoma and liver metastases  (abst - 2006)  

The endogenous cannabinoid system: a new player in the brain-gut-adipose axis  (full - 2007)  

CANNABINOID-INDUCED HYPERPHAGIA: CORRELATION WITH INHIBITION OF PROOPIOMELANOCORTIN NEURONS?  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2720321/?tool=pmcentrez

Endocannabinoid hedonic hotspot for sensory pleasure: anandamide in nucleus accumbens shell enhances ‘liking’ of a sweet reward.  (full – 2007)  
http://www.nature.com/npp/journal/v32/n11/full/1301376a.html

Pharmacological enhancement of the endocannabinoid system in the nucleus accumbens shell stimulates food intake and increases c-Fos expression in the hypothalamus.
Dronabinol an effective appetite stimulant?  (abst - 2007)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=188

THC improves appetite and reverses weight loss in AIDS patients  (abst - 2007)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=189

Efficacy of dronabinol alone and in combination with ondansetron versus ondansetron alone for delayed chemotherapy-induced nausea and vomiting.  (abst - 2007)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=191

Dronabinol and marijuana in HIV-positive marijuana smokers: caloric intake, mood, and sleep.  (abst - 2007)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=190

Anorexia of aging in long term care: is dronabinol an effective appetite stimulant?--a pilot study.  (abst – 2007)  

The lipid messenger OEA links dietary fat intake to satiety.  (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2572640/?tool=pubmed

Gastrointestinal Regulation of Food Intake: General Aspects and Focus on Anandamide and Oleoylethanolamide  (full – 2008)  

Targeted enhancement of oleoylethanolamide production in proximal small intestine induces across-meal satiety in rats.  (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2494809/?tool=pubmed

Feeding induced by cannabinoids is mediated independently of the melanocortin system.  (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2386290/?tool=pubmed

Activating Parabrachial Cannabinoid CB1 Receptors Selectively Stimulates Feeding of Palatable Foods in Rats  (full – 2008)  
http://www.jneurosci.org/cgi/content/full/28/39/9702?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT

Endocannabinoids and the Control of Energy Homeostasis  (full – 2008)  
http://www.jbc.org/content/283/48/33021.full?sid=931583b1-e797-43e0-8296-7fd75bb49d03

The role of endocannabinoids in the regulation of gastric emptying: alterations in mice fed a high-fat diet.  (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2275439/?tool=pubmed

ENDOCANNABINOIDS AND THE NEUROCHEMISTRY OF GLUTTONY.  (abst - 2008)  

Biological functions and metabolism of oleoylethanolamide.  (abst – 2008)


Endocannabinoids selectively enhance sweet taste (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2818929/?tool=pmcentrez

Synthetic and plant-derived cannabinoid receptor antagonists show hypophagic properties in fasted and non-fasted mice (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697695/?tool=pubmed

GPR119 is essential for oleoylethanolamide-induced glucagon-like peptide-1 secretion from the intestinal enteroendocrine L-cell. (full – 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2671052/?tool=pubmed


Chemicals in pot stimulate tongue receptors to taste sweetness.  (news - 2009)  
http://www.thefreelibrary.com/Chemicals+in+pot+stimulate+taste+sweetness.-a0215089160  

Enhanced sweet taste: This is your tongue on pot  (news – 2009)  

The fat-induced satiety factor oleoylethanolamide suppresses feeding through central release of oxytocin.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2900249/?tool=pubmed  

The multiple functions of the endocannabinoid system: a focus on the regulation of food intake.  (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2832623/?tool=pubmed  

Expression of cannabinoid CB1 receptors by vagal afferent neurons: kinetics and role in influencing neurochemical phenotype  (full – 2010)  
http://ajpgi.physiology.org/content/299/1/G63.full?sid=fc6948f0-78cf-405c-981b-afaa05ee417c  

CD36 gene deletion decreases oleoylethanolamide levels in small intestine of free-feeding mice.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2846762/?tool=pubmed  

Cannabidiol Attenuates the Appetitive Effects of Δ9-Tetrahydrocannabinol in Humans Smoking Their Chosen Cannabis  (full - 2010)  
http://www.nature.com/npp/journal/v35/n9/full/npp201058a.html  

A novel peripherally restricted cannabinoid receptor antagonist, AM6545, reduces food intake and body weight, but does not cause malaise, in rodents  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2990160/  

The novel cannabinoid CB1 antagonist AM6545 suppresses food intake and food-reinforced behavior.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3522179/  

Peripheral CB1 cannabinoid receptor blockade improves cardiometabolic risk in mouse models of obesity.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2912197/  

Deficiency of CB2 cannabinoid receptor in mice improves insulin sensitivity but increases food intake and obesity with age.  (abst – 2010)  

Cannabis constituents modulate δ9-tetrahydrocannabinol-induced hyperphagia in rats.  (abst – 2010)  

A nonsynonymous polymorphism in cannabinoid CB2 receptor gene is associated with eating disorders in humans and food intake is modified in mice by its ligands.  (abst – 2010)  
Oleoylthanolamide affects food intake and sleep-waking cycle through a hypothalamic modulation.  

PP-014 Control of receptor expression in vagal afferent neurons by activation of cannabinoid 1 receptors  
(abst - 2010)
http://gut.bmj.com/cgi/content/meeting_abstract/59/1_MeetingAbstracts/A45-a?sid=0731f0e5-2071-4549-be57-57f444307138

Bimodal control of stimulated food intake by the endocannabinoid system.  

Anandamide and AM251, via water, modulate food intake at central and peripheral level in fish.  

Analysis of gene expression pattern reveals potential targets of dietary oleoylthanolamide in reducing body fat gain in C3H mice.  

A low-Δ9tetrahydrocannabinol cannabis extract induces hyperphagia in rats.  

The endocannabinoid system modulates the valence of the emotion associated to food ingestion  
(abst – 2010)

Efficacy and tolerability of high-dose dronabinol maintenance in HIV-positive marijuana smokers: a controlled laboratory study.  

Endocannabinoid Modulation Of Tongue Sweet Taste Receptors May Help Control Feeding Behavior  

Delta-9-tetrahydrocannabinol may palliate altered chemojunctional perception in cancer patients: results of a randomized, double-blind, placebo-controlled pilot trial  

The Endocannabinoid System as Pharmacological Target Derived from Its CNS Role in Energy Homeostasis and Reward. Applications in Eating Disorders and Addiction  
(link to PDF - 2011) http://www.mdpi.com/1424-8247/4/8/1101

Cannabidiol inhibits the hyperphagia induced by cannabinoid-1 or serotonin-1A receptor agonists.  

Cannabidiol decreases body weight gain in rats: Involvement of CB2 receptors.  
(abst - 2011) http://marijuana.researchtoday.net/archive/8/1/3517.htm

Cannabis sativa and the endogenous cannabinoid system: therapeutic potential for appetite regulation.  
The neutral cannabinoid CB₁ receptor antagonist AM4113 regulates body weight through changes in energy intake in the rat. (abst – 2011)  

Cannabidiol potentiates Δ(9)-tetrahydrocannabinol (THC) behavioural effects and alters THC pharmacokinetics during acute and chronic treatment in adolescent rats. (abst - 2011)  

Fish oil promotes survival and protects against cognitive decline in severely undernourished mice by normalizing satiety signals. (abst – 2011)  

Non-Δ9tetrahydrocannabinol phytocannabinoids stimulate feeding in rats. (abst – 2011)  

Increment of hypothalamic 2-arachidonoylglycerol induces the preference for a high-fat diet via activation of cannabinoid 1 receptors (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/20817042/abstract/Increment_of_hypothalamic_2_arachidonoylglycerol_induces_the_preference_for_a_high_fat_diet_via_activation_of_cannabinoid_1_receptors

Cannabinoids in children (abst – 2011)  

Gut fat sensing in the negative feedback control of energy balance--recent advances. (abst – 2011)  

The role of central CB2 cannabinoid receptors on food intake in neonatal chicks (abst – 2011)  

Ingredient in cannabis restores taste for cancer patients (news – 2011)  

Cannabis Ingredient Can Help Cancer Patients Regain Their Appetites and Sense of Taste, Study Finds (news – 2011)  
http://www.sciencedaily.com/releases/2011/02/110222192830.htm

How Does Marijuana Help Cancer Patients? (news – 2011)  

Study helps explain why fatty foods are complicit in weight gain (news - 2011)  

Science: Cannabis influences blood levels of appetite hormones in people with HIV (news – 2011)  
Body's natural marijuana-like chemicals make fatty foods hard to resist  (news – 2011)

Endocannabinoid Signaling In Dietary Restriction And Lifespan Extension

Father: Medical marijuana eased pain of my cancer-battling son  (anecdotal – 2011)

Smoking marijuana not linked to obesity: study  (news – 2011)

Homology modelling of CB1 receptor and selection of potential inhibitor against Obesity.  

Noladin ether, a putative endocannabinoid, enhances motivation to eat after acute systemic administration in rats.  (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3402806/

Hypothalamic 2-arachidonoylglycerol regulates multistage process of high-fat diet preferences.  (full – 2012)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0038609

Cannabinoids Facilitate the Swallowing Reflex Elicited by the Superior Laryngeal Nerve Stimulation in Rats (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3507745/


Rimonabant eliminates responsiveness to workload changes in a time-constrained food-reinforced progressive ratio procedure in rats.  (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3387812/

2-Arachidonoylglycerol Signaling in Forebrain Regulates Systemic Energy Metabolism (full – 2012)  
http://ac.els-cdn.com/S1550413112000526/1-s2.0-S1550413112000526-main.pdf?_tid=186a88ec-7369-11e3-8095-000000aabf02&acdnat=1388638277_735058a6f79f41a9199132aed604dab

Contrasting effects of different cannabinoid receptor ligands on mouse ingestive behavior (abst – 2012) http://www.unboundmedicine.com/medline/ebm/record/22772336/abstract/Contrasting_effects_of_differen_02_cannabinoid_receptor_ligands_on_mouse_ingestive_behavior

Effects of the anandamide uptake blocker AM404 on food intake depend on feeding status and route of administration.  (abst – 2012)  


Simultaneous postprandial deregulation of the orexigenic endocannabinoid anandamide and the anorexigenic peptide YY in obesity (abst – 2012) http://www.nature.com/ijo/journal/v36/n6/full/ijo2011165a.html


Ghrelin-Induced Orexigenic Effect in Rats Depends on the Metabolic Status and Is Counteracted by Peripheral CB1 Receptor Antagonism. (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0060918

Obesity-driven synaptic remodeling affects endocannabinoid control of orexinergic neurons (full – 2013) http://www.pnas.org/content/110/24/E2229.full


Brain Molecules and Appetite: The Case of Oleoylethanolamide (link to PDF – 2013) http://www.eurekaselect.com/107948/article

Effect of Diet on Tissue Levels of Palmitoylethanolamide (link to PDF – 2013) http://www.eurekaselect.com/107972/article

Reduced Food Intake is the Major Contributor to the Protective Effect of Rimonabant on Islet in Established Obesity-Associated Type 2 Diabetes. (full – 2013) http://www.eymj.org/DOIx.php?id=10.3349/ymj.2013.54.5.1127

The Gastric CB1 Receptor Modulates Ghrelin Production through the mTOR Pathway to Regulate Food Intake. (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0080339

Orexin neurons use endocannabinoids to break obesity-induced inhibition (full – 2013) http://www.pnas.org/content/110/24/9625.full

Developmental Role for Endocannabinoid Signaling in Regulating Glucose Metabolism and Growth. (full – 2013) http://diabetes.diabetesjournals.org/content/62/7/2359.full?sid=2f5bda2b-a9c7-432a-9588-80c99189164d


Cannabis withdrawal syndrome: An important diagnostic consideration in adolescents presenting with disordered eating. (abst – 2013)  

The regulation of food intake by the gut-brain axis: implications for obesity (abst – 2013)  
http://www.nature.com/ijo/journal/v37/n5/full/ijo201293a.html

Cannabinoids, eating behaviour, and energy homeostasis. (abst – 2013)  

Concurrent pharmacological modification of cannabinoid-1 and glucagon-like peptide-1 receptor activity affects feeding behavior and body weight in rats fed a free-choice, high-carbohydrate diet. (abst – 2013)  

Key Shift in Brain That Creates Drive to Overeat Identified (news – 2013)  
http://www.scienceDaily.com/releases/2013/04/130429154214.htm

Study: Why Pot Smokers Are Skinnier (news – 2013)  
http://www.theatlantic.com/health/archive/2013/05/study-why-pot-smokers-are-skinnier/275846/

Too little sleep may trigger the 'munchies' by raising levels of an appetite-controlling molecule (news – 2013)  
http://www.sciencecodex.com/too_little_sleep_may_trigger_the_munchies_by_raising_levels_of_an_appetitecontrolling_molecule-114190

Dronabinol in severe, enduring anorexia nervosa: A randomized controlled trial (abst – 2014)  

Rimonabant's reductive effects on high densities of food reinforcement, but not palatability, in lean and obese Zucker rats. (abst – 2014)  

Cannabinoid type-1 Receptors in The Paraventricular Nucleus of The Hypothalamus Inhibit Stimulated Food Intake. (abst – 2014)  

The endocannabinoid system controls food intake via olfactory processes (abst – 2014)  
http://www.nature.com/neuro/journal/vaop/ncurrent/full/nn.3647.html

Effect of intermittent cold exposure on brown fat activation, obesity, and energy homeostasis in mice. (abst – 2014)  

**ARACHIDONYL-2'-CHLOROETHYLAMIDE** see ACEA
**ARTHRITIS**

[http://www.patentstorm.us/patents/6132762/fulltext.html](http://www.patentstorm.us/patents/6132762/fulltext.html)

Immuonoactive cannabinoids: Therapeutic prospects for marijuana constituents  (full - 2000)

The nonpsychoactive cannabis constituent cannabidiol is an oral anti-arthritic therapeutic in murine collagen-induced arthritis  (full - 2000)
[http://www.ncbi.nlm.nih.gov/pmc/articles/PMC16904/?tool=pubmed](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC16904/?tool=pubmed)

Marijuana Extract Helps Arthritis Pain  (news - 2000)

Anandamide activates peripheral nociceptors in normal and arthritic rat knee joints  (full - 2001)
[http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1572613/?tool=pmcentrez](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1572613/?tool=pmcentrez)


Cannabis May Suppress Immune System  (news - 2003)

A novel synthetic, nonpsychoactive cannabinoid acid (HU-320) with antiinflammatory properties in murine collagen-induced arthritis.  (full - 2004)

HU-320 identified as a novel synthetic cannabinoid with therapeutic activity in an experiment model of rheumatoid arthritis  (news – 2004)

Ajulemic acid (IP-751): Synthesis, proof of principle, toxicity studies, and clinical trials  (full - 2005)
[http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2751505/?tool=pubmed](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2751505/?tool=pubmed)

Rheumatoid arthritis, Cannabis based medicine eases pain and suppresses disease  (news - 2005)

Cannabis-Based Drug Relieves Arthritis Pain  (news - 2005)
[http://www.medpagetoday.com/Rheumatology/Arthritis/2097](http://www.medpagetoday.com/Rheumatology/Arthritis/2097)
First study to use a cannabis-based medicine for treating rheumatoid arthritis (news - 2005)  

Pot-Based Drug Promising for Arthritis (news - 2005)  

Cannabis-based medicine relieves the pain of rheumatoid arthritis and suppresses the disease (news – 2005)  

Preliminary assessment of the efficacy, tolerability and safety of a cannabis-based medicine (Sativex) in the treatment of pain caused by rheumatoid arthritis (full - 2006)  
http://rheumatology.oxfordjournals.org/cgi/content/full/45/1/50?maxtoshow=&hitqs=80&RESULTFORM AT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=2240&resourcetype=HWCIT

The use of a cannabis-based medicine (Sativex) in the treatment of pain caused by rheumatoid arthritis (letter - 2006)  
http://rheumatology.oxfordjournals.org/cgi/content/full/45/6/781


The Cannabinergic System as a Target for Anti-inflammatory Therapies (abst - 2006)  
http://www.ingentaconnect.com/content/ben/ctmc/2006/00000006/00000013/art00008

Arthritis and pain. Future targets to control osteoarthritis pain. (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2206352/?tool=pubmed

Honokiol, a natural plant product, inhibits inflammatory signals and alleviates inflammatory arthritis. (full – 2007)  
http://www.jimmunol.org/content/179/2/753.long

Suppression of fibroblast metalloproteinases by ajulemic acid, a nonpsychoactive cannabinoid acid. (abst - 2007)  

The antinociceptive effect of Delta9-tetrahydrocannabinol in the arthritic rat involves the CB(2) cannabinoid receptor. (abst - 2007)  
http://www.unboundmedicine.com/medline/ebm/record/17588560/abstract/The_antinociceptive_effect_of_Delta9_tetrahydrocannabinol_in_the_arthritic_rat_involves_the_CB_2__cannabinoid_receptor

Synergy between Delta(9)-tetrahydrocannabinol and morphine in the arthritic rat (abst - 2007)  
http://www.unboundmedicine.com/medline/ebm/record/17498686/abstract/Synergy_between_Delta_9__tetrahdrocannabinol_and_morphine_in_the_arthritic_rat

Characterisation of the cannabinoid receptor system in synovial tissue and fluid in patients with osteoarthritis and rheumatoid arthritis. (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2453762/?tool=pubmed
In vivo effects of CB2 receptor-selective cannabinoids on the vasculature of normal and arthritic rat knee joints (full - 2008)  

Cannabinoid-mediated antinociception is enhanced in rat osteoarthritic knees. (full – 2008)  

CB2 cannabinoid receptor agonist JWH-015 modulates human monocyte migration through defined intracellular signaling pathways. (full – 2008)  
http://ajpheart.physiology.org/content/294/3/H1145.long

Suppression of human macrophage interleukin-6 by a nonpsychoactive cannabinoid acid. (abst - 2008)  

Ajulemic acid, a synthetic cannabinoid acid, induces an antiinflammatory profile of eicosanoids in human synovial cells. (abst – 2008)  

Ajulemic acid, a nonpsychoactive cannabinoid acid, suppresses osteoclastogenesis in mononuclear precursor cells and induces apoptosis in mature osteoclast-like cells. (abst - 2008)  

Anti-inflammatory compound from cannabis found in herbs (news - 2008)  
http://www.rsc.org/chemistryworld/News/2008/June/24060801.asp

Ajulemic acid, a synthetic cannabinoid, increases formation of the endogenous proresolving and anti-inflammatory eicosanoid, lipoxin A4 (full - 2009)  
http://www.fasebj.org/cgi/content/full/23/5/1503?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=2400&resourcetype=HWCIT

Cannabinoids as novel anti-inflammatory drugs. (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2828614/?tool=pubmed

The Health Effects of Medical Marijuana Project (HEMMP) (news – 2009)  
http://www.heretohelp.bc.ca/visions/cannabis-vol5/the-health-effects-medical-marijuana-project-hemmp

Medical Marijuana and Reiter's Syndrome (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/57?ailment=reiter-s-syndrome

Medical Marijuana and Arthritis (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/72?ailment=arthritis

Medical Marijuana and Arthritis (Rheumatoid) (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/105?ailment=arthritis-rheumatoid

Medical Marijuana and Post-traumatic arthritis (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/85?ailment=post-traumatic-arthritis
Medical Marijuana and Degenerative Arthritis (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/83?ailment=degenerative-arthritis

Medical Marijuana and Degenerative Arthropathy (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/126?ailment=degenerative-arthropathy


Cannabinoid-induced apoptosis in immune cells as a pathway to immunosuppression. (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3005548/?tool=pubmed

Tonic modulation of spinal hyperexcitability by the endocannabinoid receptor system in a rat model of osteoarthritis pain. (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3132591/?tool=pubmed

Local application of the endocannabinoid hydrolysis inhibitor URB597 reduces nociception in spontaneous and chemically induced models of osteoarthritis. (abst – 2010)
http://www.unboundmedicine.com/medline/ebm/record/21185649/abstract/Local_application_of_the_endocannabinoid_hydrolysis_inhibitor_URB597_reduces_nociception_in_spontaneous_and_chemically_induced_models_of_osteoarthritis

Paradoxical effects of the cannabinoid CB2 receptor agonist GW405833 on rat osteoarthritic knee joint pain. (abst – 2010)

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Cannabinoids for Treatment of Chronic Non-Cancer Pain; a Systematic Review of Randomized Trials. (abst – 2011)

Cannabidiol as an emergent therapeutic strategy for lessening the impact of inflammation on oxidative stress. (abst – 2011)

The abnormal cannabidiol analogue O-1602 reduces nociception in a rat model of acute arthritis via the putative cannabinoid receptor GPR55. (abst – 2011)

Fatty acid amide hydrolase blockade attenuates the development of collagen-induced arthritis and related thermal hyperalgesia in mice. (abst - 2011)

Medical Marijuana For Rheumatoid Arthritis? (news – 2011)

Medical Reasons for Marijuana (news – 2011)
The effects of peptide and lipid endocannabinoids on arthritic pain at the spinal level. (full – 2012)

Dynamic changes to the endocannabinoid system in models of chronic pain (full – 2012)
http://rstb.royalsocietypublishing.org/content/367/1607/3300.full?sid=1569c370-cd5c-4358-89ff-857201f5e069

Cortisol-mediated adhesion of synovial fibroblasts is dependent on the degradation of anandamide and activation of the endocannabinoid system (full - 2012)

Platelet-rich plasma loaded hydrogel scaffold enhances chondrogenic differentiation and maturation with up-regulation of CB1 and CB2. (abst – 2012)


Cannabinoids: novel therapies for arthritis? (abst – 2012)

Role of CB1 and CB2 cannabinoid receptors in the development of joint pain induced by monosodium iodoacetate. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/23199705


Neuromodulators for pain management in rheumatoid arthritis (abst – 2012)

Reefer tokin' seniors in South Florida see pain go up in smoke (news – 2012)

Can medical marijuana help rheumatoid arthritis? (news – 2012)

Electroacupuncture inhibition of hyperalgesia in rats with adjuvant arthritis: involvement of cannabinoid receptor 1 and dopamine receptor subtypes in striatum. (full – 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3677619/
Cannabinoid CB2 Receptors Regulate Central Sensitization and Pain Responses Associated with Osteoarthritis of the Knee Joint. (full – 2013) 
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0080440

Palmitoylethanolamide and luteolin ameliorate development of arthritis caused by injection of collagen type II in mice (full – 2013) 
http://arthritis-research.com/content/15/6/R192


ASTHMA  * - also see LUNG FUNCTION

Therapeutic aspects of cannabis and cannabinoids. (full - 2001) http://bjp.rcpsych.org/cgi/content/full/178/2/107
Endogenous cannabinoid receptor agonists inhibit neurogenic inflammations in guinea pig airways. (abst – 2005)  

New Synthetic Delta-9-THC Inhaler Offers Safe, Rapid Delivery (news - 2005)  
http://www.medicalnewstoday.com/articles/22937.php

The Cannabinergic System as a Target for Anti-inflammatory Therapies (abst - 2006)  
http://www.ingentaconnect.com/content/ben/ctmc/2006/00000013/art00008

Cannabinoid CB(2) receptor activation prevents bronchoconstriction and airway oedema in a model of gastro-oesophageal reflux. (abst - 2007)  

Activation of cannabinoid receptors prevents antigen-induced asthma-like reaction in guinea pigs. (abst – 2008)  

Cannabinoids as novel anti-inflammatory drugs. (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2828614/?tool=pubmed

Medical Marijuana and Asthma (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/127?ailment=asthma

Cannabinoid-induced apoptosis in immune cells as a pathway to immunosuppression. (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3005548/?tool=pubmed

Beneficial effects of cannabinoids (CB) in a murine model of allergen-induced airway inflammation: Role of CB(1)/CB(2) receptors. (abst - 2010)  
http://www.unboundmedicine.com/medline/ebm/record/21056512/abstract/Beneficial_effects_of_cannabinoids_CB_in_a_murine_model_of_allergen_induced_airway_inflammation:_Role_of_CB_1_CB_2_receptors

The cannabinoid receptor agonist WIN 55,212-2 inhibits antigen-induced plasma extravasation in guinea pig airways. (abst – 2010)  

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

The role of CB2 receptor ligands in human eosinophil function (full – 2012)  

The Role of Cannabinoids In Inflammatory Modulation of Allergic Respiratory Disorders, Inflammatory Pain and Ischemic Stroke. (abst – 2012)  

The effects of cannabidiol on the antigen-induced contraction of airways smooth muscle in the guinea-pig. (abst – 2013)  
Cannabinoid CB2 receptors as novel target for inhibiting house dust mite induced allergic airway inflammation (abst – 2013)
http://www.jimmunol.org/cgi/content/meeting_abstract/190/1_MeetingAbstracts/120.12?sid=c3422dd2-7ad0-42e4-a862-845dc670f7cf


ATHEROSCLEROSIS *

Cardiovascular Effects of Cannabis (news - undated)
http://www.idmu.co.uk/cannocardio.htm

Low dose oral cannabinoid therapy reduces progression of atherosclerosis in mice. (full - 2005) http://www.nature.com/nature/journal/v434/n7034/full/nature03389.html

Cannabis compound tackles blood vessel disease (news - 2005)
http://www.medicalnewstoday.com/articles/22658.php

Medical marijuana: study shows that THC slows atherosclerosis (news - 2005)

Science: THC slows development of atherosclerosis in animal study (news - 2005)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=190#1


Marijuana Chemical Fights Hardened Arteries (news - 2005)

Does Cannabis Hold the Key to Treating Cardiometabolic Disease (full - 2006)

Cannabinoid receptors in atherosclerosis. (abst – 2006)


The Cannabinergic System as a Target for Anti-inflammatory Therapies (abst - 2006)
http://www.ingentaconnect.com/content/ben/ctmc/2006/00000006/00000013/art00008

Endocannabinoids and the haematological system (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190025/?tool=pmcentrez
Cannabidiol attenuates high glucose-induced endothelial cell inflammatory response and barrier disruption  (full - 2007)

Decreased age-related cardiac dysfunction, myocardial nitrative stress, inflammatory gene expression, and apoptosis in mice lacking fatty acid amide hydrolase.  (full – 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2225473/?tool=pubmed

Cannabinoids and cardiovascular disease: the outlook for clinical treatments.
(abst - 2007)

Cannabinoid receptors in acute and chronic complications of atherosclerosis
(full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219535/?tool=pmcentrez

Pleiotropic effects of the CB2 cannabinoid receptor activation on human monocyte migration: implications for atherosclerosis and inflammatory diseases  (full – 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2267750/?tool=pubmed

Role of endocannabinoids in cardiovascular shock.  (full – 2008)
http://www.jpp.krakow.pl/journal/archive/12_08_s8/pdf/91_12_08_s8_article.pdf

CB2 cannabinoid receptor agonist JWH-015 modulates human monocyte migration through defined intracellular signaling pathways.  (full – 2008)
http://ajpheart.physiology.org/content/294/3/H1145.long


The emerging role of the endocannabinoid system in cardiovascular disease
(full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2791499/?tool=pmcentrez

Endocannabinoids and the Heart  (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2728560/?tool=pmcentrez

CB1 and CB2 cannabinoid receptors differentially regulate the production of reactive oxygen species by macrophages  (full – 2009)
http://cardiovascres.oxfordjournals.org/content/84/3/378.full?sid=7d2438c4-a727-410f-870d-4a971695b4f8

Cannabidiol-2',6'-Dimethyl Ether, a Cannabidiol Derivative, Is a Highly Potent and Selective 15-Lipoxygenase Inhibitor.  (full - 2009)
http://dmd.aspetjournals.org/content/37/8/1733.long

Cannabinoids and atherosclerosis.  (abst - 2009)
http://www.unboundmedicine.com/medline/ebm/record/19591373/abstract/Cannabinoids_and_atherosclerosis_
Medical Marijuana and Arteriosclerotic Heart Disease  (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/125?ailment=arteriosclerotic-heart-disease

http://www.patentstorm.us/applications/20100158973/fulltext.html


The activation of the cannabinoid receptor type 2 reduces neutrophilic protease-mediated vulnerability in atherosclerotic plaques  (full – 2011)  
http://eurheartj.oxfordjournals.org/content/33/7/846.full

Cannabinoid receptor 2 signaling does not modulate atherogenesis in mice  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3082575/?tool=pubmed

Is lipid signaling through cannabinoid 2 receptors part of a protective system?  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Cannabinoid Receptor 2 Deficiency in Haematopoietic cells Aggravates Early Atherosclerosis in LDL Receptor Deficient Mice.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3109635/?tool=pubmed

Atheroprotection via cannabinoid receptor-2 is mediated by circulating and vascular cells in vivo.  (abst – 2011)  

The effect of dietary hempseed on atherogenesis and contractile function in aortae from hypercholesterolemic rabbits.  (abst - 2011)  

Cannabinoids and atherosclerotic coronary heart disease.  (full – 2012)  

Antihyperglycemic and hypolipidemic effects of α, β-amyrin, a triterpenoid mixture from Protium heptaphyllum in mice  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3484111/

Targeting cannabinoid receptor CB(2) in cardiovascular disorders: promises and controversies.  (full – 2012)  

The potential use of cannabidiol in the therapy of metabolic syndrome  (abst – 2012)  

Update on the endocannabinoid-mediated regulation of gelatinase release in arterial wall physiology and atherosclerotic pathophysiology.  (abst – 2012)  
Endogenous cannabinoid receptor CB1 activation promotes vascular smooth muscle cell proliferation and neointima formation. (full – 2013)
http://www.jlr.org/content/early/2013/03/11/jlr.M035147.long

Endocannabinoid system as a potential mechanism for n-3 long-chain polyunsaturated fatty acid mediated cardiovascular protection. (abst – 2013)

Magnolol inhibits migration of vascular smooth muscle cells via cytoskeletal remodeling pathway to attenuate neointima formation. (abst – 2013)

**AUTISM** - also see FRAGILE X SYNDROME

Cannabis and Aspergers, My Experience by Anonymous (anecdotal - undated)
http://rxmarijuana.com/cannabis_aspergers.htm

Medical Marijuana as a Cure for Autism (anecdotal – undated)
http://www.autism-pdd.net/testdump/test13417.htm

http://www.letfreedomgrow.com/articles/james_d.htm


Autism, ADD, ADHD and Marijuana Therapy (news - 2008)

Does marijuana replace pharmaceuticals as a treatment for Autism? (news – 2009)

Prescribing marijuana to kids (news – 2009)
http://theweek.com/article/index/103325/prescribing-marijuana-to-kids

ABC News Lauds Marijuana for Autism (news – 2009)


Mom: Medical marijuana saved son's life (news / anecdotal - 2009)
The ultimate herbal remedy: Can cannabis improve autism? (news / anecdotal - 2009)

Use of dronabinol (delta-9-THC) in autism: A prospective single-case-study with an early infantile autistic child (full – 2010)

Can autism be triggered by acetaminophen activation of the endocannabinoid system? (link to PDF – 2010)

Steamboat mom sees results from giving autistic son medical marijuana (news/ anecdotal - 2010)

Sam's Story: Medical Marijuana and Autism (news / anecdotal - 2010)

Why I Give My 9-year-old Pot (news/ anecdotal - 2009)

Why I Give My 9-Year-Old Pot, Part II (news/anecdotal - 2009)

Why I Give My 9-Year-Old Pot, Part 3 (news - 2010)
http://www.slate.com/id/2251174/

Variation in the human Cannabinoid Receptor (CNR1) gene modulates gaze duration for happy faces. (full – 2011)

Consequences of cannabinoid and monoaminergic system disruption in a mouse model of autism spectrum disorders (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3137184/

Autism (news – 2011)
http://www.cannabissearch.com/medical_benefits/autism/

Marijuana madness (news – 2011)

Why I Give My Autistic Son Pot, Part 4 (news – 2011)
http://www.slate.com/id/2294072/?from=rss

Wayne Valley alum making a difference in autism research (news – 2011)

THC for Autism (news – 2011)
http://www.newuniversity.org/2011/03/news/thc-for-autism/
Cannabis Science And The Unconventional Foundation For Autism (UF4A) Partner To Advance Successful Cannabis-Based Autism Treatments  (news/info-mercial - 2011)
http://www.medicalnewstoday.com/releases/219569.php

Would some cannabinoids ameliorate symptoms of autism?  (abst - 2012)


Marijuana cannabinoids found to help combat autism  (news – 2012)

Ryan’s Story: Medical Marijuana And Autism  (news – 2012)

Marijuana and Asperger's Syndrome  (anecdotal – 2012)

Moderation of antipsychotic-induced weight gain by energy balance gene variants in the RUPP autism network risperidone studies  (full – 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3693401/

Autism-Associated Neuroligin-3 Mutations Commonly Disrupt Tonic Endocannabinoid Signaling  (full – 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3663050/

Cannabinoid Receptor Type 2, but not Type 1, is Up-Regulated in Peripheral Blood Mononuclear Cells of Children Affected by Autistic Disorders.  (abst – 2013)

Alterations in the endocannabinoid system in the rat valproic acid model of autism.  (abst – 2013)


Parents treat self-harming child with medical marijuana  (news / anecdotal - 2013)

Stanford University Study Finds That Marijuana Could Help With Autism  (news – 2013)

A Link Between Autism and Cannabinoids  (news – 2013)
Maine Mom Fights Son’s Autistic Episodes With Marinol (news – 2013)  

Mutations found in individuals with autism interfere with endocannabinoid signaling in the brain (news – 2013)  

Marijuana Affects Autism, But Not How You’d Think [Study] (news – 2013)  

**BACK PAIN** - also see PAIN, SPASTICITY, SPINAL CORD INJURY  

**BACK PAIN DUE TO DEGENERATED DISC – ANY THERAPEUTIC ROLE OF CANNABIS** (abst - 2005)  
http://proceedings.jbjs.org.uk/cgi/content/abstract/90-B/SUPP_II/224-d?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=marihuana&searchid=1&FIRSTINDEX=320&resourcetype=HWCT  

Intrathecal injection of a Cannabinoid CB2 Receptor Selective Agonist GW405833 Blocks Induction of Allodynia by Sciatic Inflammatory Neuritis (SIN) (abst – 2009)  

Medical Marijuana and Back Pain (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/110?ailment=back-pain  

Medical Marijuana and Back Sprain (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/150?ailment=back-sprain-  

Investigational pharmacology for low back pain (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3004649/?tool=pmcentrez  

Cannabinoids and muscular pain. Effectiveness of the local administration in rat. (abst – 2012)  

Pot a Common Remedy to Ease Back Pain (news – 2013)  
http://www.medpagetoday.com/MeetingCoverage/AdditionalMeetings/42228  

**BILE/BILE DUCTS**  

Role of the nitric oxide pathway and the endocannabinoid system in neurogenic relaxation of corpus cavernosum from biliary cirrhotic rats (full – 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2013996/
Effect of biliary cirrhosis on nonadrenergic noncholinergic-mediated relaxation of rat corpus cavernosum: Role of nitric oxide pathway and endocannabinoid system (abst – 2008)  
http://journals.tums.ac.ir/abs.aspx?culture_var=en&journal_id=9&org_id=59&manuscript_id=6272

G1359A polymorphism of the cannabinoid receptor gene (CNR1) and clinical results of biliopancreatic diversion (link to PDF – 2010)  
http://www.europeanreview.org/article/724

Distribution of free and conjugated cannabinoids in human bile samples. (abst – 2012)  

**BIPOLAR DISORDER** *

Bipolar Disorder and Endometriosis by Anonymous (anecdotal – undated)  
http://rxmarijuana.com/shared_comments/Endometriosis4.htm

Recipe For Trouble (anecdotal/ news - 2002 )  
http://www.cbsnews.com/stories/2002/03/05/48hours/main503022.shtml

Cannabinoids in bipolar affective disorder: a review and discussion of their therapeutic potential. (full - 2005)  
http://www.ukcia.org/research/CannabinoidsInBipolarAffectiveDisorder.pdf

Cannabis in bipolar (abst - 2005)  
http://www.pendulum.org/bpnews/archive/001628.html

Cannabis Spray for Bipolar (news - 2005)  
http://www.prohealth.com/me-cfs/blog/boardDetail.cfm?id=565511

Marijuana Could Provide Mental Health Treatments (news - 2005)  
http://www.drugfree.org/join-together/drugs/marijuana-could-provide

Chemicals in Cannabis may help mentally ill (news - 2005)  

The effect of extreme marijuana use on the long-term course of bipolar I illness: a single case study. (abst - 2007)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=247

Opposite relationships between cannabis use and neurocognitive functioning in bipolar disorder and schizophrenia. (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19891810/full_citation/Opposite_relationships_between_cannabis_use_and_neurocognitive_functioning_in_bipolar_disorder_and_schizophrenia

Medical Marijuana and Bipolar Disorder (news – 2009)


**BLADDER / URINARY FUNCTIONS** *

Effects of cannabinoid receptor agonists on neuronally-evoked contractions of urinary bladder tissues isolated from rat, mouse, pig, dog, monkey and human  (full - 2000) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1571997/?tool=pmcentrez


Contrasting effects of WIN 55212-2 on motility of the rat bladder and uterus.  (full – 2002) http://www.jneurosci.org/content/22/16/7147.long


Therapy Insight: Bladder Dysfunction Associated With Multiple Sclerosis  (full - 2005) http://www.nature.com/nrurol/journal/v2/n10/full/ncpuro0323.html


Marijuana-Derived Drug Suppresses Bladder Pain In Animal Models  (news - 2006)  
http://www.sciencedaily.com/releases/2006/05/060521103039.htm

Effects of IP-751, ajulemic acid, on bladder overactivity induced by bladder irritation in rats.  (abst - 2007)  

Cannabinoid receptor 2 is increased in acutely and chronically inflamed bladder of rats  (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2592089/?tool=pmcentrez

Distribution and function of cannabinoid receptors 1 and 2 in the rat, monkey and human bladder.  (abst - 2009)  

Incontinence  (news - 2009)  
http://www.norml.org/index.cfm?Group_ID=7012

Overactive Bladder: Can Marijuana Potentially Treat It?  (news – 2009)  
http://www.empowher.com/urinary-incontinence/content/overactive-bladder-can-marijuana-potentially-treat-it

Functional role of cannabinoid receptors in urinary bladder  (full - 2010)  
http://www.indianjurol.com/article.asp?issn=0970-1591;year=2010;volume=26;issue=1;spage=26;epage=35;aulast=Tyagi

Cannabinor, a selective cannabinoid-2 receptor agonist, improves bladder emptying in rats with partial urethral obstruction.  (full – 2010)  
http://www.jurology.com/article/S0022-5347%2810%2904713-0/fulltext

Effects of cannabinor, a novel selective cannabinoid 2 receptor agonist, on bladder function in normal rats.  (abst – 2010)  

Randomized controlled trial of Sativex to treat detrusor overactivity in multiple sclerosis.  (abst – 2010)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=314

Local activation of cannabinoid CB1 receptors in the urinary bladder reduces the inflammation-induced sensitization of bladder afferents.  (full – 2011)  
http://www.molecularpain.com/content/pdf/1744-8069-7-31.pdf

Modulation of inflammatory responses by a cannabinoid-2-selective agonist after spinal cord injury.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3235339/

Inhibitory Effect of Standardized Cannabis sativa Extract and Its Ingredient Cannabidiol on Rat and Human Bladder Contractility.  (abst – 2011)  

Cannabinoids: potential targets for bladder dysfunction.  (abst – 2011)  

Cannabinoid mediated diuresis in mice  (abst – 2011)  
http://www.fasebj.org/cgi/content/meeting_abstract/25/1_MeetingAbstracts/6176?maxtoshow=&bits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCIT


Diuretic effects of cannabinoids. (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3533417/


**BLEPHAROSPASM** *- also see MEIGE’S SYNDROME*


**BLOOD/ PLASMA** *

Estrogen stimulates arachidonoylethanolamide release from human endothelial cells and platelet activation (full – 2002)  
http://bloodjournal.hematologylibrary.org/content/100/12/4040.full

The Procoagulatory Effects of Delta-9-Tetrahydrocannabinol in Human Platelets (full - 2004) (funky link - says “404”, delete the “404” and it comes up)  


Release of anandamide from blood cells (abst – 2006)  

Anticoagulant Effects of a Cannabis Extract in an Obese Rat Model (abst - 2007)  

Cholesterol-induced stimulation of platelet aggregation is prevented by a hempseed-enriched diet.  
(http - 2008)  

Fluctuation in anandamide levels from ovulation to early pregnancy in in-vitro fertilization-embryo transfer women, and its hormonal regulation (full – 2009)  
http://humrep.oxfordjournals.org/content/24/8/1989.long

Circulating endocannabinoid concentrations during orthostatic stress (abst – 2009)  
www.ncbi.nlm.nih.gov/pubmed/19756829

Dietary docosahexaenoic acid supplementation alters select physiological endocannabinoid-system metabolites in brain and plasma (full – 2010)  
http://www.jlr.org/content/51/6/1416.full.pdf+html

Anandamide extends platelets survival through CB(1)-dependent Akt signaling. (abst – 2010)  

The relationship between plasma levels of the endocannabinoid, anandamide, sex steroids, and gonadotrophins during the menstrual cycle.  
(abst - 2010)  

Effect of Cannabis sativa on Hematological Indices in Rats and Men (full – 2011)  

Anandamide and its congeners inhibit human plasma butyrylcholinesterase. Possible new roles for these endocannabinoids?  
(abst – 2011)  

Plasma concentrations of endocannabinoids and related primary Fatty Acid amides in patients with post-traumatic stress disorder.  
(full – 2013)
Reductions in circulating endocannabinoid levels in individuals with post-traumatic stress disorder following exposure to the world trade center attacks  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0062741

Differential Expression of Intracellular and Extracellular CB(2) Cannabinoid Receptor Protein by Human Peripheral Blood Leukocytes.  

Cannabinoid Receptor Type 2, but not Type 1, is Up-Regulated in Peripheral Blood Mononuclear Cells of Children Affected by Autistic Disorders.  

Detection of the endocannabinoid metabolome in human plasma and breast milk  
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/45.8?sid=eea722c0-971c-4d4a-8b8c-38c0e63c19ad

The 2-arachidonoylglycerol effect on myosin light chain phosphorylation in human platelets.  

Mechanism of platelet activation induced by endocannabinoids in blood and plasma.  

The Effect of Mifepristone (RU486) on the Endocannabinoid System in Human Plasma and First Trimester Trophoblast of Women undergoing Termination of Pregnancy.  

Compounds That Stimulate The Cannabinoid Type 2 Receptor In White Blood Cells Can Weaken HIV-1 Infection  

Organophosphate agents induce plasma hypertriglyceridemia in mouse via single or dual inhibition of the endocannabinoid hydrolyzing enzyme(s).  

**BLOOD PRESSURE** *

Endocannabinoinds and Vascular Function  
http://jpet.aspetjournals.org/content/294/1/27.long
Endogenous cannabinoids mediate hypotension after experimental myocardial infarction (full - 2001) http://content.onlinejacc.org/cgi/content/full/38/7/2048?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=560&resourcetype=HWCIT

Cardiovascular Effects of Cannabis (news - 2003) http://www.idmu.co.uk/cannocardio.htm

Endocannabinoids Acting at Cannabinoid-1 Receptors Regulate Cardiovascular Function in Hypertension (full - 2004) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2756479/?tool=pmcentrez

Blood pressure regulation by endocannabinoids and their receptors (full - 2005) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2225528/?tool=pmcentrez

Cardiovascular Pharmacology of Cannabinoids (full - 2005) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2228270/?tool=pmcentrez


Further Characterization of the Time-Dependent Vascular Effects of Δ9-Tetrahydrocannabinol (full - 2006) http://jpet.aspetjournals.org/content/317/1/428.full


Cannabis to lower blood pressure! (news - 2006)


The in vitro and in vivo cardiovascular effects of [Δ9]-tetrahydrocannabinol (THC) in rats made hypertensive by chronic inhibition of nitric oxide synthase. (full - 2007) http://jpet.aspetjournals.org/content/321/2/663.full

Characterization of the vasorelaxant mechanisms of the endocannabinoid anandamide in rat aorta (full – 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190007/?tool=pubmed
Cardiovascular effects of cannabinoids in conscious spontaneously hypertensive rats (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190006/?tool=pmcentrez


Modulation of the Endocannabinoid System in Cardiovascular Disease (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2568884/?tool=pmcentrez

'Entourage' effects of N-palmitoylethanolamide and N-oleoylethanolamide on vasorelaxation to anandamide occur through TRPV1 receptors. (full – 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2597234/?tool=pubmed

Acute hypertension reveals depressor and vasodilator effects of cannabinoids in conscious rats (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697765/?tool=pmcentrez


Inhibitor of fatty acid amide hydrolase normalizes cardiovascular function in hypertension without adverse metabolic effects. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3003779/

N-arachidonoyl glycine, an endogenous lipid that acts as a vasorelaxant via nitric oxide and large conductance calcium-activated potassium channels. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931560/

Cannabinoid and GABA modulation of sympathetic nerve activity and blood pressure in the dorsal periaqueductal gray of the rat (full – 2011) http://ajpregu.physiology.org/content/301/6/R1765.full


Medial prefrontal cortex endocannabinoid system modulates baroreflex activity through CB1 receptors  (full – 2012)  http://ajpregu.physiology.org/content/302/7/R876


Role of endocannabinoids and cannabinoid-1 receptors in cerebrocortical blood flow regulation.  (full – 2013)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3537620/


Mechanism of Central Atypical Cannabinoid Receptor GPR18-Mediated Hypotension in Conscious Rats  (abst – 2013)  http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/654.15?sid=eea722c0-971c-4d4a-a8b8a-c0c63c19ad

Role of Central Atypical Cannabinoid Receptor GPR18 in Modulating Cardiovascular Function  (abst – 2013)  http://www.fasebj.org/cgi/content/meeting_abstract/26/1_MeetingAbstracts/663.10?sid=eea722c0-971c-4d4a-a8b8a-c0c63c19ad


Vascular targets for cannabinoids: animal and human studies. (abst – 2013) 


The Novel Endocannabinoid Receptor GPR18 is Expressed in the Rostral Ventrolateral Medulla and Exerts Tonic Restraining Influence on Blood Pressure. (full – 2014) http://jpet.aspetjournals.org/content/early/2014/01/15/jpet.113.209213.long

**BONES** - see OSTEOPOROSIS

**BONE MARROW**


Endocannabinoids Are Expressed in Bone Marrow Stromal Niches and Play a Role in Interactions of Hematopoietic Stem and Progenitor Cells with the Bone Marrow Microenvironment (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2975171/?tool=pubmed

Cannabinoid Receptor 2 Deficiency in Haematopoietic cells Aggravates Early Atherosclerosis in LDL Receptor Deficient Mice (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3109635/?tool=pubmed


**BORDERLINE PERSONALITY DISORDER**

BOWEL DISORDERS* - also see GERD, COLITIS, IBS, CROHN’S

Effects of cannabidiol derivatives on intestinal motility (abst - undated)
http://www.docstoc.com/docs/26071658/Effects-of-cannabidiol-derivatives-on-intestinal-motility-

Central and peripheral cannabinoid modulation of gastrointestinal transit in physiological states or during the diarrhoea induced by croton oil (full - 2000)

Modulation of peristalsis by cannabinoid CB1 ligands in the isolated guinea-pig ileum (full - 2000)

Inhibition of small intestinal secretion by cannabindins is CB1 receptor-mediated in rats (abst – 2000)

http://www.springerlink.com/content/w3jc8rk16k9p92fl/

Cannabinoid CB1-receptor mediated regulation of gastrointestinal motility in mice in a model of intestinal inflammation (full - 2001)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1572987/?tool=pmcentrez

Cannabinoids and the gastrointestinal tract (full - 2001)
http://gut.bmj.com/content/48/6/859.full

Patent 6410588 Use of cannabinoids as anti-inflammatory agents (full – 2002)
http://www.patentstorm.us/patents/6410588/fulltext.html

Endocannabinoids as physiological regulators of colonic propulsion in mice. (abst – 2002)

Cannabinoid receptor type 1 modulates excitatory and inhibitory neurotransmission in mouse colon (full – 2003)
http://ajpgi.physiology.org/content/286/1/G110.full?sid=fc6948f0-78cf-405c-981b-afaa05ee417c

Cannabinoids for gastrointestinal diseases: potential therapeutic applications (full – 2003)
http://www.drugpolicy.org/docUploads/cannabinoids_gastro.pdf

Cannabinoids for gastrointestinal diseases: potential therapeutic applications (abst - 2003)

Inflammation and cancer IV. Colorectal cancer in inflammatory bowel disease: the role of inflammation. (full - 2004)
http://ajpgi.physiology.org/cgi/content/full/287/1/G7

Cannabinoids and intestinal motility: welcome to CB2 receptors (full - 2004)
Involvement of cannabinoid receptors in gut motility and visceral perception. (full – 2004)  

Effect of ethanol extracts of three Chinese medicinal plants with laxative properties on ion transport of the rat intestinal epithelia. (full - 2004)  

The endogenous cannabinoid system protects against colonic inflammation (full - 2004)  

Cannabinoids cool the intestine (full - 2004)  

Effects of cannabinoid receptor-2 activation on accelerated gastrointestinal transit in lipopolysaccharide-treated rats (full - 2004)  

Involvement of cannabinoid receptors in gut motility and visceral perception (full - 2004)  

Fibromyalgia, IBS, and the Endocannabinoid-CB-Receptor (ECBR) system (abst - 2004)  

Cannabinoids spell relief in colon inflammation (news – 2004)  

The effects of Δ9-tetrahydrocannabinol in rat mesenteric vasculature, and its interactions with the endocannabinoid anandamide (full - 2005)  

Effects of cannabinoids on colonic muscle contractility and tension in guinea pigs. (full – 2005)  

Differential Expression of Cannabinoid Receptors in the Human Colon: Cannabinoids Promote Epithelial Wound Healing (full - 2005)  

Peripheral, but not central effects of cannabidiol derivatives: mediation by CB(1) and unidentified receptors. (abst – 2005)  

Cannabis drugs may benefit those with bowel disease (news - 2005)  

Cannabis may soothe inflamed bowels (news - 2005)
Bowel Study Backs Cannabis Drugs  (news - 2005)
http://www.thehempire.com/index.php/cannabis/news/bowel_study_backs_cannabis_drugs

Cannabis-Based Drugs Could Aid in Treating Bowel Disease  (news - 2005)
http://www.drugfree.org/join-together/drugs/cannabis-based-drugs-could-in

Neural contractions in colonic strips from patients with diverticular disease: role of endocannabinoids and substance P  (full – 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1856307/

Cannabinoid 1 (CB1) receptors coupled to cholinergic motorneurones inhibit neurogenic circular muscle contractility in the human colon.  (full – 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1617060/?tool=pubmed

Neural contractions in colonic strips from patients with diverticular disease: role of endocannabinoids and substance P  (full – 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1856307/

Up-regulation of anandamide levels as an endogenous mechanism and a pharmacological strategy to limit colon inflammation.  (full – 2006)
http://www.fasebj.org/content/early/2006/03/01/fj.05-4943fje.long

Endocannabinoid overactivity and intestinal inflammation  (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1856409/?tool=pmcentrez

Endocannabinoids and the gastrointestinal tract.  (abst - 2006)

Cannabinoids promote survival of normal human colonic epithelial cells  (abst #334 - 2006)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1859999/?tool=pmcentrez

Effect of a cannabinoid agonist on gastrointestinal transit and postprandial satiation in healthy human subjects: a randomized, placebo-controlled study  (abst - 2006)


Science: Cannabinoids reduce inflammation of the bowel in animal model  (news - 2006)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=216#1

Synthetic THC Eases Stomach Cramping, Study Says  (news - 2006)
http://www.norml.org/index.cfm?Group_ID=7080&wtm_format=print

ACG: Cannabinoid Activator Mellows Out Colon  (news - 2006)
http://www.medpagetoday.com/MeetingCoverage/ACG/4410

Cannabis Helps Ulcers And Crohn's Disease  (news - 2006)
Cannabis Drugs "May control Symptoms of Gut Disease"   (news - 2006)  

Cannabis Chemicals May Alleviate Post-Eating Stomach Cramps   (news – 2006)  

Increased endocannabinoid levels reduce the development of precancerous lesions in the mouse colon.  (full – 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2755791/?tool=pubmed

The endogenous cannabinoid system: a new player in the brain-gut-adipose axis   (full - 2007)  

Effects of a cannabinoid receptor agonist on colonic motor and sensory functions in humans: a randomized, placebo-controlled study   (full - 2007)  
http://ajpgi.physiology.org/cgi/content/full/293/1/G137

Cannabinoid CB2 receptors in the gastrointestinal tract: a regulatory system in states of inflammation   (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219529/?tool=pmcentrez

CB1 receptors mediate the analgesic effects of cannabinoids on colorectal distension-induced visceral pain in rodents.  (full – 2007)  
http://www.jneurosci.org/content/29/5/1554.long

Lactobacillus acidophilus modulates intestinal pain and induces opioid and cannabinoid receptors.  (abst – 2007)  

Overactivity of the intestinal endocannabinoid system in celiac disease and in methotrexate-treated rats.  (abst – 2007)  

The endocannabinoids anandamide and 2-arachidonoylglycerol inhibit cholinergic contractility in the human colon.  (abst – 2007)  

Pharmacological analysis of cannabinoid-induced inhibition of gastric mucosal damage and gastric motility  (abst – 2007)  

Cannabinoid CB2 receptors in the enteric nervous system modulate gastrointestinal contractility in lipopolysaccharide-treated rats   (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2494728/?tool=pubmed

Cannabinoid CB2 receptors in the gastrointestinal tract: a regulatory system in states of inflammation.   (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219529/?tool=pubmed
Effect of Δ9-tetrahydrocannabinol, a cannabinoid receptor agonist, on the triggering of transient lower oesophageal sphincter relaxations in dogs and humans  (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697772/?tool=pmcentrez

Cannabidiol, extracted from Cannabis sativa, selectively inhibits inflammatory hypermotility in mice  (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2451037/?tool=pmcentrez

Cannabinoid CB1 Receptors Are Expressed by Parietal Cells of the Human Gastric Mucosa  (full – 2008)  
http://jhc.sagepub.com/content/56/5/511.full

The role of endocannabinoids in the regulation of gastric emptying: alterations in mice fed a high-fat diet.  (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2275439/?tool=pubmed

Genetic variation in endocannabinoid metabolism, gastrointestinal motility, and sensation.  (full – 2008)  
http://ajpgi.physiology.org/content/294/1/G13.long

Anti-inflammatory cannabinoids in diet  (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2633791/?tool=pmcentrez

Cannabinoids and gastrointestinal motility: animal and human studies.  
(link to PDF - 2008)  http://www.europeanreview.org/article/519

Gastrointestinal Disorders and Medical Marijuana  (brochure - 2008)  

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects  (abst - 2008)  
http://gut.bmj.com/content/57/8/1140.abstract

Gastrointestinal endocannabinoid system: multifaceted roles in the healthy and inflamed intestine  (abst – 2008)  

Anti-inflammatory compound from cannabis found in herbs  (news - 2008)  
http://www.rsc.org/chemistryworld/News/2008/June/24060801.asp

Science: THC reduces reflux of acid from the stomach  (news – 2008)  

Salutary pizza spice  (news – 2008)  

Cannabinoid-1 (CB1) receptors regulate colonic propulsion by acting at motor neurons within the ascending motor pathways in mouse colon  (full - 2009)  
http://ajpgi.physiology.org/cgi/content/full/296/1/G119?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&resourcetype=HWCIT
Interaction between cannabinoid CB1 receptors and endogenous ATP in the control of spontaneous mechanical activity in mouse ileum. (full – 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2795265/?tool=pubmed


Endocannabinoids and the gastrointestinal tract: what are the key questions? (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190011/

Evaluation of prevalent phytocannabinoids in the acetic acid model of visceral nociception (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2765124/?tool=pubmed


Alternatives: Miracle Marijuana (anecdotal/news - 2009) http://www.heretohelp.bc.ca/visions/cannabis-vol5/alternatives

The Cannabinoid 1 Receptor (CNR1) 1359 G/A Polymorphism Modulates Susceptibility to Ulcerative Colitis and the Phenotype in Crohn's Disease (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2829088/?tool=pmcentrez

The endocannabinoid system links gut microbiota to adipogenesis (full - 2010)


Cannabidiol Reduces Intestinal Inflammation through the Control of Neuroimmune Axis (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3232190/?tool=pubmed

Efficacy of a Chinese herbal proprietary medicine (Hemp Seed Pill) for functional constipation. (full – 2011) http://www.nature.com/ajg/journal/v106/n1/pdf/ajg2010305a.pdf

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Increasing endogenous 2-arachidonoylglycerol levels counteracts colitis and related systemic inflammation. (full – 2011) http://www.fasebj.org/content/25/8/2711.long


Cannabinoid actions at TRPV channels: effects on TRPV3 and TRPV4 and their potential relevance to gastrointestinal inflammation. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21726418
Alternative targets within the endocannabinoid system for future treatment of gastrointestinal diseases.  

The effects of cannabidiolic acid and cannabidiol on contractility of the gastrointestinal tract of Suncus murinus.  

Effects of Cannabinoid Agonists on Sheep Sphincter of Oddi in vitro.  

Inhibition of cannabinoid metabolic enzymes reduces NSAID-induced gastric pathology  
(abst – 2011) http://www.fasebj.org/cgi/content/meeting_abstract/25/1_MeetingAbstracts/807.1?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCIT

Cannabinoids mediate opposing effects on inflammation-induced intestinal permeability.  

Cannabinoid HU210 Protects Isolated Rat Stomach against Impairment Caused by Serum of Rats with Experimental Acute Pancreatitis.  
(full - 2012) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0052921

The Gastrointestinal Pharmacology of Cannabinoids: Focus on Motility.  

The JNK inhibitor XG-102 protects against TNBS-induced colitis.  
(full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3302790/

Gut microbiota and the development of obesity.  

Effects of palmitoylethanolamide on intestinal injury and inflammation caused by ischemia-reperfusion in mice  
(full – 2012) http://www.jleukbio.org/content/91/6/911.full

Inhibitory effect of cannabichromene, a major non-psychotropic cannabinoid extracted from Cannabis sativa, on inflammation-induced hypermotility in mice.  
(full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3417459/

Cannabinoid signalling regulates inflammation and energy balance: The importance of the brain-gut axis.  

Genetic Epidemiology and Pharmacogenetics in Irritable Bowel Syndrome.  


Agents that act luminaly to treat diarrhoea and constipation. (abst – 2012)  http://www.ncbi.nlm.nih.gov/pubmed/22945441


Marijuana might be able to treat your terrible case of the runs (news – 2012)  http://www.thctotalhealthcare.com/tag/treat/


Cannabis Finds Its Way into Treatment of Crohn's Disease. (full – 2013)
Endocannabinoid and Cannabinoid-Like Fatty Acid Amide Levels Correlate with Pain-Related Symptoms in Patients with IBS-D and IBS-C: A Pilot Study. (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3874007/

A role for O-1602 and G protein-coupled receptor GPR55 in the control of colonic motility in mice. (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3677091/

Industrial hemp decreases intestinal motility stronger than indian hemp in mice. (link to PDF – 2013) http://www.europeanreview.org/article/3266


Interrogating Therapeutic Manipulation of the Endocannabinoid System in Human Colon (abst – 2013) http://www.fasebj.org/cgi/content/meeting_abstract/26/1_MeetingAbstracts/1123.1?sid=eea722c0-971c-4d4a-8b8c-38c063c19ad


Magnolol inhibits colonic motility through down-regulation of voltage-sensitive L-type Ca(2+) channels of colonic smooth muscle cells in rats. (abst – 2013)

Interleukin 17A evoked mucosal damage is attenuated by cannabidiol and anandamide in a human colonic explant model. (abst – 2013)

Inhibition of fatty acid amide hydrolase (FAAH) as a novel therapeutic strategy in the treatment of pain and inflammatory diseases in the gastrointestinal tract (abst – 2013)

Decreased Enteric Fatty Acid Amide Hydrolase Activity is Associated with Colonic Inertia in Slow Transit Constipation (abst – 2013)

Marijuana use patterns among patients with inflammatory bowel disease. (abst – 2013)

Effect of high fat-diet and obesity on gastrointestinal motility. (abst – 2013)

The cannabinoid-1 receptor inverse agonist taranabant reduces abdominal pain and increases intestinal transit in mice. (abst – 2013)

IBD: Patients with IBD find symptom relief in the Cannabis field (abst – 2013)
http://www.nature.com/nrgastro/journal/vaop/ncurrent/full/nrgastro.2013.245.html

Still Believe Nature Got It Wrong? Top 10 Health Benefits of Marijuana (news – 2013)
http://www.wakingtimes.com/2013/05/01/still-believe-nature-got-it-wrong-top-10-health-benefits-of-marijuana/

Study: Cannabinoid Could Potentially Cut Down On NSAID-Induced Hospitalizations (news – 2013)
http://blog.norml.org/2013/06/20/study-cannabinoid-could-potentially-cut-down-on-nsaid-induced-hospitalizations/

Herbal medicine may ease constipation (news – 2013)
http://www.lifescript.com/health/centers/pain/alternative_treatments/traditional_chinese_herbal_medicine_articles/herbal_medicine_may_ease_constipation.aspx


Association of cannabinoid type 1 receptor and fatty acid amide hydrolase genetic polymorphisms in Chinese patients with irritable bowel syndrome. (abst – 2014)
Selective inhibition of FAAH produces antidiarrheal and antinociceptive effect mediated by endocannabinoids and cannabinoid-like fatty acid amides. (abst – 2014)

BRAIN CELLS - see NEURONS

BRAIN – MENTAL EFFECTS - see IQ/COGNITIVE EFFECTS/ MEMORY

BRAIN – PHYSICAL EFFECTS *


Anandamide uptake by synaptosomes from human, mouse and rat brain: inhibition by glutamine and glutamate’   (full – 2002)  http://www.lipidworld.com/content/1/1/1


Effects of Alcohol and Combined Marijuana and Alcohol Use During Adolescence on Hippocampal Volume and Asymmetry   (full – 2006)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1821342/?tool=pubmed
The 130htocannabinoids Δ9-tetrahydrocannabivarin modulates inhibitory neurotransmission in the cerebellum  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2438968/)

Astrocytes Implicated In Machinery Of Cannabinoid Signaling  
(news – 2008)  
(http://www.medicalnewstoday.com/releases/101891.php)

New brain cells implicated in machinery of cannabinoid signaling  
(news – 2008)  
(http://www.news-medical.net/news/2008/03/28/36739.aspx)

White Matter Integrity in Adolescents with Histories of Marijuana Use and Binge Drinking.  
(full - 2009)  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2762024/)

The influence of substance use on adolescent brain development.  
(full – 2009)  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2827693/?tool=pubmed)

Neuroimaging in cannabis use: a systematic review of the literature.  
(abst – 2009)  
(http://www.unboundmedicine.com/medline/ebm/record/19627647/abstract/Neuroimaging_in_cannabis_use :_a_systematic_review_of_the_literature_)

Cannabinoid receptors in brain: pharmacogenetics, neuropharmacology, neurotoxicology, and potential therapeutic applications  
(abst – 2009)  
(http://www.ncbi.nlm.nih.gov/pubmed/19897083)

Alterations in the hippocampal endocannabinoid system in diet-induced obese mice.  
(full – 2010)  
(http://www.jneurosci.org/content/30/18/6273.long)

Disposition of Cannabichromene, Cannabidiol, and Δ9-Tetrahydrocannabinol and its Metabolites in Mouse Brain following Marijuana Inhalation Determined by High-Performance Liquid Chromatography-Tandem Mass Spectrometry  
(full – 2010)  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3023979/)

Quantification of brain endocannabinoid levels: methods, interpretations and pitfalls  
(full – 2010)  

Cannabidiol reduces lipopolysaccharide-induced vascular changes and inflammation in the mouse brain: an intravital microscopy study  
(full – 2011)  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3034694/?tool=pmcentrez)

Comparison of Cannabinoid CB1 Receptor Binding in Adolescent and Adult Rats: A Positron Emission Tomography Study Using [18F]MK-9470  
(full – 2011)  
(http://www.hindawi.com/journals/ijmi/2011/548123/)

Effects of synthetic cannabinoids on electroencephalogram power spectra in rats.  
(abst – 2011)  
(http://www.unboundmedicine.com/medline/ebm/record/21640532/abstract/Effects_of_synthetic_cannabinoids_on_electroencephalogram_power_spectra_in_rats_)

Temporal changes in N-acylethanolamine content and metabolism throughout the peri-adolescent period  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3510355/


Role of endocannabinoids and cannabinoid-1 receptors in cerebrocortical blood flow regulation.  (full – 2013)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3537620/

Cannabinoid- and lysophosphatidylinositol-sensitive receptor GPR55 boosts neurotransmitter release at central synapses. (full – 2013) http://www.pnas.org/content/early/2013/03/06/1211204110.full.pdf+html

Biosynthetic Pathways of Bioactive N-Acylethanolamines in Brain (link to PDF – 2013) http://www.eurekaselect.com/107971/article


BRAIN TRAUMA *

Exogenous anandamide protects rat brain against acute neuronal injury in vivo. (full – 2001) http://www.jneurosci.org/content/21/22/8765.long

Brain Injury Circumvented by Endocannabinoids (abst – 2001) http://stke.sciencemag.org/cgi/content/abstract/sigtrans;2001/104/tw380?maxtoshow=&hits=80&RESULT FORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1680&resourcetype=HWCIT


Cannabinoids As Neuroprotective Agents in Traumatic Brain Injury. (abst - 2004)
The Cannabinoid CB2 Receptor as a Target for Inflammation-Dependent Neurodegeneration (full – 2006)  

The endocannabinoid 2-AG protects the blood-brain barrier after closed head injury and inhibits mRNA expression of proinflammatory cytokines. (abst – 2006)  

Anandamide, an endocannabinoid, protects neurons from inflammation after brain damage (news – 2006)  

The CB1 Cannabinoid Receptor Mediates Excitotoxicity-induced Neural Progenitor Proliferation and Neurogenesis (full – 2007)  

Endocannabinoids and traumatic brain injury. (abst – 2007)  

The cannabinoid CB1 receptor regulates bone formation by modulating adrenergic signaling. (full – 2008)  

LSUHSC research reports new method to protect brain cells from diseases like Alzheimer’s (news – 2008)  

Cannabinoids as Therapeutic Agents for Ablating Neuroinflammatory Disease (full – 2009)  

Breakthrough in treatment of Traumatic Brain Injury: KeyNeurotek’s clinical study reaches primary endpoint and shows significant increase in survival (news – 2009)  

Enhancement of endocannabinoid signaling by fatty acid amide hydrolase inhibition: a neuroprotective therapeutic modality. (full – 2010)  

N-arachidonoyl--serine is neuroprotective after traumatic brain injury by reducing apoptosis (full – 2011)  

Endocannabinoids and traumatic brain injury (full – 2011)  

Pre- and post-conditioning treatment with an ultra-low dose of Δ9-tetrahydrocannabinol (THC) protects against pentylenetetrazole (PTZ)-induced cognitive damage. (abst – 2011)
Acute effects of a selective cannabinoid-2 receptor agonist on neuroinflammation in a model of traumatic brain injury.  (abst – 2011)  

New metabolic pathway for controlling brain inflammation  (news – 2011)  

Site-specific and time-dependent activation of the endocannabinoid system after transection of long-range projections.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3310878/?tool=pubmed

Cannabis Responsive Head Injury Induced Multple Disabilities: A Case Report  (full - 2012)  
http://file.scirp.org/Html/9-2500130_16958.htm

Cannabidiol for neurodegenerative disorders: important new clinical applications for this this phytocannabinoid?  (abst – 2012)  

Early Survival of Comatose Patients after Severe Traumatic Brain Injury with the Dual Cannabinoid CB1/CB2 Receptor Agonist KN38-7271: A Randomized, Double-Blind, Placebo-Controlled Phase II Trial.  (abst – 2012)  

A cannabinoid type 2 receptor agonist attenuates blood-brain barrier damage and neurodegeneration in a murine model of traumatic brain injury.  (abst – 2012)  


Type-1 (CB(1)) Cannabinoid Receptor Promotes Neuronal Differentiation and Maturation of Neural Stem Cells.  (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0054271

Does the neuroprotective role of anandamide display diurnal variations?  (link to PDF – 2013)  
http://www.mdpi.com/1422-0067/14/12/23341

Palmitoylethanolamide in Homeostatic and Traumatic Central Nervous System Injuries  (link to PDF - 2013)  
http://www.eurekaselect.com/107976/article


Interplay of cannabinoid 2 (CB2) receptors with nitric oxide synthases, oxidative and nitrative stress, and cell death during remote neurodegeneration  (abst – 2013)


Low Doses of THC (Cannabis) Can Halt Brain Damage, Study Suggests (news – 2013) http://www.sciencedaily.com/releases/2013/05/130530132531.htm

New Study: Cannabinoids Protect the Brain and Heart From Injury (news – 2013) http://www.science20.com/news_articles/the_can_prevent_brain_damage_study-113512


BREASTFEEDING/ LACTATION/ INFANT APPETITE *

Born with the munchies (news - 2000) (may need registration) http://www.newscientist.com/article/mg16722461.600-born-with-the-munchies.html


Endocannabinoids, feeding and suckling – from our perspective  (full – 2006)  http://www.nature.com/ijo/journal/v30/n1s/full/0803274a.html

Inhibition of milk ingestion and growth after administration of a neutral cannabinoid CB1 receptor antagonist on the first postnatal day in the mouse.  (abst - 2007)  http://www.ncbi.nlm.nih.gov/pubmed/17805201


Excess of the endocannabinoid anandamide during lactation induces overweight, fat accumulation and insulin resistance in adult mice  (full – 2012)  http://www.dmsjournal.com/content/4/1/35


Cannabinoids, like those found in marijuana, occur naturally in human breast milk  (news – 2012)  http://www.naturalnews.com/036526_cannabinoids_breast_milk_THC.html
Cannabinoids, Breast Milk, and Development (news – 2012)

Cannabinoids: Common to Marijuana and Human Breast Milk (news – 2012)

Detection of the endocannabinoid metabolome in human plasma and breast milk (abst – 2013)
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/45.8?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad


BRUEGHEL’S SYNDROME - see MEIGE’S SYNDROME

BULIMIA

Association study of cannabinoid receptor gene (CNR1) alleles and anorexia nervosa: differences between restricting and binging/purging subtypes. (abst – 2004)

Blood levels of the endocannabinoid anandamide are increased in anorexia nervosa and in binge-eating disorder, but not in bulimia nervosa. (full – 2005)
http://www.nature.com/npp/journal/v30/n6/full/1300695a.html


Elevated cannabinoid 1 receptor mRNA is linked to eating disorder related behavior and attitudes in females with eating disorders. (abst – 2009)

Association of CNR1 and FAAH endocannabinoid gene polymorphisms with anorexia nervosa and bulimia nervosa: evidence for synergistic effects. (abst – 2009)

Medical Marijuana and Bulimia (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/18?ailment=bulimia


Brain Type 1 Cannabinoid Receptor Availability in Patients with Anorexia and Bulimia Nervosa. (abst – 2011)  http://www.ncbi.nlm.nih.gov/pubmed/21718968


**BURNING MOUTH SYNDROME**


**CANCER – ADRENAL CORTICAL**

CANCER – BASAL CELL CARCINOMA  - see CANCER – SKIN

CANCER – BLADDER / URETHRAL


Magnolol suppresses hypoxia-induced angiogenesis via inhibition of HIF-1α/VEGF signaling pathway in human bladder cancer cells  (abst – 2013)

Study claims marijuana tied to lower bladder cancer risk  (news – 2013)

CANCER - BONE

Anandamide-induced Ca2+ elevation leading to p38 MAPK phosphorylation and subsequent cell death via apoptosis in human osteosarcoma cells.  (abst – 2007)


Reduction of bone cancer pain by activation of spinal cannabinoid receptor 1 and its expression in the superficial dorsal horn of the spinal cord in a murine model of bone cancer pain.  (full - 2009)

Spinal and peripheral analgesic effects of the CB cannabinoid receptor agonist AM1241 in two models of bone cancer-induced pain.  (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931557/?tool=pubmed

The endocannabinoid system and cancer: therapeutic implication (full – 2011) 

Antinociceptive effect of intrathecal cannabinoid receptor agonist WIN 55,212-2 in a rat bone tumor pain model (abst – 2011) 

Antinociceptive effects induced through the stimulation of spinal cannabinoid type 2 receptors in chronically inflamed mice (abst - 2011) 
http://www.unboundmedicine.com/medline/ebm(record/21771590/abstract/Antinociceptive_effects_induced_through_the_stimulation_of_spinal_cannabinoid_type_2_receptors_in_chronically_inflamed_mice

The role of cannabinoids in prostate cancer: Basic science perspective and potential clinical applications. (full – 2012) 
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3339795/?tool=pubmed

Disease modification of breast cancer-induced bone remodeling by cannabinoid 2 receptor agonists. (full – 2012) 

Role of cannabinoid 2 receptor in the development of bone cancer pain (abst – 2012) 

Suppression of vascular endothelial growth factor expression by cannabinoids in a canine osteosarcoma cell line (link to PDF – 2013) 
http://www.dovepress.com/suppression-of-vascular-endothelial-growth-factor-expression-by-cannab-
a13597

Antinociceptive effects of the selective CB2 agonist MT178 in inflammatory and chronic rodent pain models. (abst – 2013) 


Inflammatory signaling as a therapeutic target for the treatment of breast cancer-induced bone pain. (abst – 2013) 
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/887.10?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad

Pharmacology of Cannabinoid Receptor Agonists and a Cyclooxygenase-2 Inhibitor in Rat Bone Tumor Pain. (abst – 2013) 
CANCER – BREAST *

Suppression of Nerve Growth Factor Trk Receptors and Prolactin Receptors by Endocannabinoids Leads to Inhibition of Human Breast and Prostate Cancer Cell Proliferation  
(2000)  

Palmitoylethanolamide inhibits the expression of fatty acid amide hydrolase and enhances the anti-proliferative effect of anandamide in human breast cancer cells  
(2001)  

Control of the cell survival/death decision by cannabinoids.  
(abst – 2001)  

Human tumor cell growth inhibition by nontoxic anthocyanidins, the pigments in fruits and vegetables.  
(abst – 2005)  

Antitumor Activity of Plant Cannabinoids with Emphasis on the Effect of Cannabidiol on Human Breast Carcinoma  
(2006)  
http://jpet.aspetjournals.org/cgi/content/full/318/3/1375.full

9-Tetrahydrocannabinol Inhibits Cell Cycle Progression in Human Breast Cancer through Cdc2 Regulation  
(2006)  
http://cancerres.aacrjournals.org/cgi/content/full/66/13/6615

Cannabinoids As Cancer Hope  
(article – 2006)  
http://www.norml.org/index.cfm?Group_ID=6814

Anandamide inhibits adhesion and migration of breast cancer cells.  
(abst – 2006)  

Cannabidiol inhibits tumour growth in leukaemia and breast cancer in animal studies  
(news – 2006)  

A combination of THC and prochlorperazine effective in reducing vomiting in women following breast surgery  
(news – 2006)  
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=219#1

Cannabidiol Dramatically Inhibits Breast Cancer Cell Growth  
(news – 2006)  

Cannabidiol as a novel inhibitor of Id-1 gene expression in aggressive breast cancer cells.  
(full - 2007)  
http://mct.aacrjournals.org/content/6/11/2921.long

Cannabis compound 'halts cancer’  
(news - 2007)  
http://news.bbc.co.uk/2/hi/health/7098340.stm
Cannabis compound stops spread of breast cancer: researchers  

Medical Marijuana Treatment For Metastatic Breast Cancer Patients  
(news - 2007)  
http://www.healthcentral.com/breast-cancer/c/78/16646/takes-cancer/

Cannabidiol may be helpful in reducing the aggressiveness of breast cancer cells  
(news - 2007)  

Cannabis Compound May Stop Metastatic Breast Cancer  
(news - 2007)  

Marijuana Compound Shows Promise In Fighting Breast Cancer  
(news - 2007)  

Cannabis compound may stop the spread of breast cancer cells  
(news - 2007)  

Endocannabinoids in endocrine and related tumours  
(full - 2008)  
http://erc.endocrinology-journals.org/cgi/reprint/15/2/391.pdf

The anandamide analog, Met-F-AEA, controls human breast cancer cell migration via the RHOA/RHO kinase signaling pathway.  
(full – 2008)  
http://erc.endocrinology-journals.org/cgi/content/full/15/4/965

Design Logic of a Cannabinoid Receptor Signaling Network That Triggers Neurite Outgrowth  
(full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2776723/?tool=pubmed

Delta(9)-tetrahydrocannabinol inhibits 17beta-estradiol-induced proliferation and fails to activate androgen and estrogen receptors in MCF7 human breast cancer cells.  
(full – 2008)  
http://ar.iiarjournals.org/content/28/1A/85.long

Cannabinoids for cancer treatment: progress and promise.  
(full – 2008)  
http://cancerres.aacrjournals.org/content/68/2/339.long

JunD is involved in the antiproliferative effect of Delta(9)-tetrahydrocannabinol on human breast cancer cells  
(abst - 2008)  

Cannabinoid receptor agonists inhibit growth and metastasis of breast cancer  
(abst - 2008)  
http://www.aacrmeetingabstracts.org/cgi/content/meeting_abstract/2008/1_Annual_Meeting/4081?maxtosh ow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=480&resourcetype=HWCIT

Inhibition of Breast Cancer Aggressiveness by Cannabidiol  
(abst - 2008)  
Synthetic cannabinoid receptor agonists inhibit tumor growth and metastasis of breast cancer (full - 2009)  http://mct.aacrjournals.org/content/8/11/3117.full


Cannabinoids reduce ErbB2-driven breast cancer progression through Akt inhibition (full - 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2917429/?tool=pmcentrez


Abstract P1-11-23: Cannabinoid Receptor 2 Compounds in the Attenuation of Breast Cancer Cell Proliferation: Mechanisms of Action  (abst – 2010)  http://cancerres.aacrjournals.org/cgi/content/meeting_abstract/70/24_MeetingAbstracts/P1-11-23?maxtosh ow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=400&sortspec=date&resourcetype=HWCIT


Crosstalk between chemokine receptor CXCR4 and cannabinoid receptor CB2 in modulating breast cancer growth and invasion.  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3168464/?tool=pubmed
A role for L-alpha-lysophosphatidylinositol and GPR55 in the modulation of migration, orientation and polarization of human breast cancer cells. (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931574/?tool=pubmed

Cannabidiol induces programmed cell death in breast cancer cells by coordinating the crosstalk between apoptosis and autophagy. (full – 2011)
http://mct.aacrjournals.org/content/10/7/1161.long

Pathways mediating the effects of cannabidiol on the reduction of breast cancer cell proliferation, invasion, and metastasis. (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3410650/


Novel hexahydrocannabinol analogs as potential anti-cancer agents inhibit cell proliferation and tumor angiogenesis. (abst – 2011)

Omega-3 N-acylethanolamines are endogenously synthesised from omega-3 fatty acids in different human prostate and breast cancer cell lines. (abst – 2011)

Disease modification of breast cancer-induced bone remodeling by cannabinoid 2 receptor agonists. (full – 2012)

Anandamide inhibits the Wnt/β-catenin signalling pathway in human breast cancer MDA MB 231 cells (full – 2012)
http://www.ejcancer.com/article/S0959-8049(12)00216-X/fulltext

Cannabinoids: A new hope for breast cancer therapy? (full - 2012)
http://www.bbm1.ucm.es/cannabis/archivos/publicaciones/Caffarel%20Cancer%20Treat%20Rev%202012%20online.pdf

Betulinic Acid Targets YY1 and ErbB2 through Cannabinoid Receptor-Dependent Disruption of MicroRNA-27a:ZBTB10 in Breast Cancer. (full – 2012)

Cannabidiolic acid, a major cannabinoid in fiber-type cannabis, is an inhibitor of MDA-MB-231 breast cancer cell migration. (abst – 2012)

Receptor-dependent and Receptor-independent Endocannabinoid Signaling: A Therapeutic Target for Regulation of Cancer Growth. (abst – 2012)

Marijuana compound could stop aggressive cancer metastasis (news - 2012)
Can marijuana stop cancer? (news – 2012) 
http://www.examiner.com/article/can-marijuana-stop-cancer

Pot compound seen as tool against cancer (news – 2012) 
http://www.sfgate.com/health/article/Pot-compound-seen-as-tool-against-cancer-3875562.php#page-1

New Study Says Marijuana Could Stop Cancer from Spreading (news – 2012) 
http://www.opposingviews.com/i/society/drug-law/new-study-adds-research-showing-marijuana-could-stop-cancer

Is Marijuana the Cancer Cure We’ve Waited For? (news – 2012) 
http://www.empowher.com/cancer/content/marijuana-cancer-cure-we-ve-waited

Marijuana And Cancer: Scientists Find Cannabis Compound Stops Metastasis In Aggressive Cancers (news – 2012) 

Cannabis Cures Cancer: Look at me, I’m Cancer Free! (news – 2012) 
http://www.tokeofthetown.com/2012/10/cannabis_cures_cancer_look_at_me_im_cancer_free.php


Combined antiproliferative effects of the aminoalkylindole WIN55,212-2 and radiation in breast cancer cells. (full – 2013) http://jpet.aspetjournals.org/content/early/2013/11/20/jpet.113.205120.long

The Endocannabinoid System and Sex Steroid Hormone-Dependent Cancers (full – 2013) http://www.hindawi.com/journals/ije/2013/259676/


Cannabinoids may be therapeutic in breast cancer. (article – 2013) http://resources.metapress.com/pdf-preview.axd?code=b831165531850165&size=largest

Inhibition Of Fatty Acid Amide Hydrolase Activates Nrf2 Signaling And Induces Heme Oxygenase 1 Transcription In Breast Cancer Cells. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23347118


The effect of CBG (BDS) botanical cannabinoid extract on MCF-7 human breast carcinoma cells (abst – 2013) http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1105.21?sid=eea722c0-971c-4dab-888e-38c063c19ad
Inflammatory signaling as a therapeutic target for the treatment of breast cancer-induced bone pain.  
(abst – 2013) 
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/887.10?sid=eea722c0-971c-4dab-3a3c-0c630c19ad

CB1 and CB2 Receptors are Novel Molecular Targets for Tamoxifen and 4OH-Tamoxifen.  
(abst – 2013) 

Differential Modulation of Tumor Cell Proliferation and their Endocannabinoid System by Polyunsaturated Fatty Acids.  
(abst – 2013) 

The natural compound magnolol inhibits invasion and exhibits potential in human breast cancer therapy.  
(abst – 2013) 

(abst – 2013) 

Fighting Cancer: Another Study Reveals the Cannabis and Cancer Link  
(news – 2013) 
http://www.wakingtimes.com/2012/10/05/fighting-cancer-another-study-reveals-the-cannabis-and-cancer-link/

Magnolia dealbata seeds extract exert cytotoxic and chemopreventive effects on MDA-MB231 breast cancer cells.  
(abst – 2014) 

**CANCER - CERVICAL**

Arachidonyl ethanolamide induces apoptosis of uterine cervix cancer cells via aberrantly expressed vanilloid receptor-1  
(abst - 2004) 

Marijuana Ingredients Slow Invasion by Cervical and Lung Cancer Cells  
(news - 2007) 

The influence of mast cell mediators on migration of SW756 cervical carcinoma cells.  
(full – 2008) 
https://www.jstage.jst.go.jp/article/jphs/106/2/106_FP0070736/_pdf

Inhibition of Cancer Cell Invasion by Cannabinoids via Increased Expression of Tissue Inhibitor of Matrix Metalloproteinases-1  
(full - 2008) 
http://jnci.oxfordjournals.org/cgi/content/full/100/1/59

Marijuana use and cervical HPV/neoplasia  
(abst - 2008) 
http://www.infectagentscancer.com/content/4/S2/P15

Marijuana Use is Not Associated with Cervical Human Papillomavirus Natural History or Cervical Neoplasia in HIV-Seropositive or HIV-Seronegative Women (full - 2010)  
http://cebp.aacrjournals.org/content/19/3/869.full.pdf+html

Cannabidiol inhibits cancer cell invasion via upregulation of tissue inhibitor of matrix metalloproteinases-1. (abst - 2010)  

CANCER – CHEMOTHERAPY- see CHEMOTHERAPY

CANCER – CHOLANGIOCARCINOMA

Opposing Actions of Endocannabinoids on Cholangiocarcinoma Growth (full - 2007)  
http://www.jbc.org/content/282/17/13098.full

The endocannabinoid anandamide inhibits cholangiocarcinoma growth via activation of the noncanonical Wnt signaling pathway (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2604798/?tool=pmcentrez

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects (abst – 2008)  
http://gut.bmj.com/content/57/8/1140.abstract

Opposing actions of endocannabinoids on cholangiocarcinoma growth is via the differential activation of Notch signaling. (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2872061/?tool=pubmed

Recent advances in the regulation of cholangiocarcinoma growth (full - 2010)  
http://ajpgi.physiology.org/content/299/1/G1.full

The dual effects of delta(9)-tetrahydrocannabinol on cholangiocarcinoma cells: anti-invasion activity at low concentration and apoptosis induction at high concentration. (abst – 2010)  

Anandamide exerts its antiproliferative actions on cholangiocarcinoma by activation of the GPR55 receptor. (abst – 2011)  

The novel cannabinoid receptor GPR55, inhibits cholangiocarcinoma growth (abst – 2011)
Marijuana Compound Halts Spread of Biliary Cancers  (news – 2012)
http://www.imarijuana.com/tag/biliary-tract-cancer

**CANCER – COLON / COLORECTAL**

Possible endocannabinoid control of colorectal cancer growth.  (abst - 2003)
Possible endocannabinoid control of colorectal cancer growth.  [Gastroenterology. 2003] - PubMed result

Inflammation and cancer IV. Colorectal cancer in inflammatory bowel disease: the role of inflammation.  (full - 2004)
Inflammation and Cancer IV. Colorectal cancer in inflammatory bowel disease: the role of inflammation

Anandamide is an endogenous inhibitor for the migration of tumor cells and T lymphocytes.  (full - 2004)
http://ajpgi.physiology.org/content/291/2/G364
Agonists of cannabinoid receptor 1 and 2 inhibit e... [Am J Physiol Gastrointest Liver Physiol. 2006] - PubMed result

The endogenous cannabinoid, anandamide, induces cell death in colorectal carcinoma cells: a possible role for cyclooxygenase 2  (full - 2005)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1774787/?tool=pmcentrez

A new class of inhibitors of 2-arachidonoylglycerol hydrolysis and invasion of prostate cancer cells  (full – 2005)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1450257/

Cannabinoids and cancer: potential for colorectal cancer therapy.  (full - 2005)
http://www.biochemsoctrans.org/bst/033/0712/bst0330712.htm

A cannabinoid quinone inhibits angiogenesis by targeting vascular endothelial cells.  (full - 2006)
http://molpharm.aspetjournals.org/content/70/1/51.long

Opposing Actions of Endocannabinoids on Cholangiocarcinoma Growth: RECRUITMENT OF Fas AND Fas LIGAND TO LIPID RAFTS  (full – 2007)
http://www.jbc.org/content/282/17/13098.full

The cannabinoid delta(9)-tetrahydrocannabinol inhibits RAS-MAPK and PI3K-AKT survival signalling and induces BAD-mediated apoptosis in colorectal cancer cells.  (full - 2007)

The cannabinoid CB(2) receptor: a good friend in the gut.  (abst – 2007)
Increased endocannabinoid levels reduce the development of precancerous lesions in the mouse colon. (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2755791/?tool=pubmed

Cannabinoid receptor activation induces apoptosis through tumor necrosis factor alpha-mediated ceramide de novo synthesis in colon cancer cells. (full – 2008)  
http://clincancerres.aacrjournals.org/content/14/23/7691.long

Loss of cannabinoid receptor 1 accelerates intestinal tumor growth (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2561258/

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects (abst – 2008)  
http://gut.bmj.com/content/57/8/1140.abstract

Estrogenic induction of cannabinoid CB1 receptor in human colon cancer cell lines. (abst - 2008)  

Turned-Off Cannabinoid Receptor Turns On Colorectal Tumor Growth (news - 2008)  
http://www.sciencedaily.com/releases/2008/08/080801074056.htm

Marijuana takes on colon cancer (news - 2008)  

Cannabinoid cell surface receptor plays a tumor-suppressing role in human colorectal cancer (news – 2008)  
http://www.news-medical.net/news/2008/08/03/40485.aspx

Induction of the antitumorigenic NSAID-activated gene (NAG-1) in synthetic hexahydrocannabinol-induced apoptosis of human colorectal cancer cells (abst - 2009)  
http://www.fasebj.org/cgi/content/meeting_abstract/23/1_MeetingAbstracts/761.5?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=Hexahydrocannabinol&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT

Cannabinoid receptor-independent cytotoxic effects of cannabinoids in human colorectal carcinoma cells: synergism with 5-fluorouracil. (abst – 2009)  
http://www.springerlink.com/content/45008p9643k139f4/

Cannabinoids in intestinal inflammation and cancer (abst - 2009)  

Effects of anandamide on polyamine levels and cell growth in human colon cancer cells (full – 2010)  
http://ar.iiarjournals.org/content/30/7/2583.long

http://www.patentstorm.us/applications/20100222437/fulltext.html
The endogenous cannabinoid, anandamide, induces COX-2-dependent cell death in apoptosis-resistant colon cancer cells.  (link to PDF - 2010)
http://www.spandidos-publications.com/ijo/37/1/187


Induction of p53-independent apoptosis by a novel synthetic hexahydrocannabinol analog is mediated via Sp1-dependent NSAID-activated gene-1 in colon cancer cells

Involvement of NSAID-activated gene-1 in a novel synthetic hexahydrocannabinol analogue-induced growth inhibition and apoptosis of colon cancer cells  (abst - 2010)
http://www.fasebj.org/cgi/content/meeting_abstract/24/1_MeetingAbstracts/965.8?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=Hexahydrocannabinol&searchid=1&FIRSTINDEX=0&resourcetype=HW

Evaluation of the Cyclooxygenase Inhibiting Effects of Six Major Cannabinoids Isolated from Cannabis sativa  (full – 2011)
https://www.jstage.jst.go.jp/article/bpb/34/5/34_5_774/_pdf


Anandamide inhibits the growth of colorectal cancer cells through CB1 and lipid rafts (abst – 2011)  http://www.ncbi.nlm.nih.gov/pubmed/21575494


Anti-tumor activity of the novel hexahydrocannabinol analog LYR-8 in Human colorectal tumor xenograft is mediated through the inhibition of Akt and hypoxia-inducible factor-1α activation.  (full – 2012)
https://www.jstage.jst.go.jp/article/bpb/35/6/35_b12-00020/_pdf

The atypical cannabinoid O-1602 shows antitumorigenic effects in colon cancer cells and reduces tumor growth in a colitis-associated colon cancer model  (full – 2012)
http://www.biomedcentral.com/content/pdf/2050-6511-13-S1-A23.pdf

How Weed Can Protect Us From Cancer and Alzheimer's  (book excerpt – 2012)
http://www.alternet.org/story/156269/how_weed_can_protect_us_from_cancer_and_alzheimer%27s


Synthesis of Tetrahydrohonokiol Derivates and Their Evaluation for Cytotoxic Activity against CCRF-CEM Leukemia, U251 Glioblastoma and HCT-116 Colon Cancer Cells. (link to PDF – 2014) http://www.mdpi.com/1420-3049/19/1/1223

Physiological intestinal oxygen modulates the Caco-2 cell model and increases sensitivity to the phytocannabinoid cannabidiol. (abst – 2014) http://www.ncbi.nlm.nih.gov/pubmed/24464350

CANCER - ENDOMETRIAL

Medical Marijuana and Cancer, Endometrial (news – 2009)
Medical Marijuana and Cancer, Uterine (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/69?ailment=cancer-uterine

The Levels of the Endocannabinoid Receptor CB2 and Its Ligand 2-Arachidonoylglycerol Are Elevated in Endometrial Carcinoma (full – 2010)
http://endo.endojournals.org/content/151/3/921.full

The Endocannabinoid System and Sex Steroid Hormone-Dependent Cancers (full – 2013)  http://www.hindawi.com/journals/ije/2013/259676/

CANCER – GASTRIC *


The effect of cannabinoid to gastric cancer  (abst - 2006)
http://www.aacrmeetingabstracts.org/cgi/content/abstract/2006/1/958-a?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1360&resourcetype=HWCIT


CANCER – GLIOMA/ BRAIN CANCERS *

Anandamide Induces Apoptosis in Human Cells via Vanilloid Receptors  (full - 2000)  
http://www.jbc.org/content/275/41/31938.full

Anti-tumoral action of cannabinoids: involvement of sustained ceramide accumulation and extracellular signal-regulated kinase activation.  (full - 2000)  

Marijuana's Active Ingredient Targets Deadly Brain Cancer  (news - 2000)  

Pot Shrinks Tumors; Government Knew in ’74  (news - 2000)  
http://www.alternet.org/story/9257/?page=entire

Inhibition of Glioma Growth in Vivo by Selective Activation of the CB2 Cannabinoid Receptor1  (full - 2001)  
http://cancerres.aacrjournals.org/cgi/reprint/61/15/5784.pdf

Inhibition of Rat C6 Glioma Cell Proliferation by Endogenous and Synthetic Cannabinoids. Relative Involvement of Cannabinoid and Vanilloid Receptors  (full - 2001)  
http://jpet.aspetjournals.org/content/299/3/951.full

Control of the cell survival/death decision by cannabinoids.  (abst – 2001)  

Anti-Tumor Effects  (news - 2001)  
http://www.ukcia.org/research/AntiTumorEffects.htm

Cannabinoids protect astrocytes from ceramide-induced apoptosis through the phosphatidylinositol 3-kinase/protein kinase B pathway.  (full – 2002)  
http://www.jbc.org/content/277/39/36527.long

De novo-synthesized ceramide is involved in cannabinoid-induced apoptosis.  (full - 2002)  

Cannabinoids and cell fate.  (abst – 2002)  


Inhibition of tumor angiogenesis by cannabinoids  (full - 2003)  
http://www.fasebj.org/cgi/reprint/02-0795fjev1?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andorexactfulltext=and&searchid=1&FIRSTINDEX=20&sortspec=relevance&resourcetype=HWCIT

http://americanmarijuana.org/Guzman-Cancer.pdf

Up-Regulation of Cyclooxygenase-2 Expression Is Involved in R(1)-Methanandamide-Induced Apoptotic Death of Human Neuroglioma Cells  (full - 2004) http://molpharm.aspetjournals.org/content/66/6/1643.full.pdf+html

Cannabinoids Inhibit the Vascular Endothelial Growth Factor Pathway in Gliomas  (full - 2004) http://cancerres.aacrjournals.org/cgi/content/full/64/16/5617

Antitumor effects of cannabidiol, a nonpsychoactive cannabinoid, on human glioma cell lines.  (full - 2004) http://jpet.aspetjournals.org/content/308/3/838.long


Cannabis extract shrinks brain tumours  (news – 2004) (may need registration) http://www.newscientist.com/article/dn6283


Endocannabinoid metabolism in human glioblastomas and meningiomas compared to human non-tumour brain tissue  (full - 2005) http://www.ukcia.org/research/EndocannabinoidMetabolismInHumanGlioblastomasAndMeningiomas.pdf
Cannabinoids selectively inhibit proliferation and induce death of cultured human glioblastoma multiforme cells. (abst - 2005)


Cannabinoids down-regulate PI3K/Akt and Erk signalling pathways and activate proapoptotic function of Bad protein. (abst – 2005)

A pilot clinical study of Delta(9)-tetrahydrocannabinol in patients with recurrent glioblastoma multiforme. (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2360617/

Cannabinoid receptors in human astroglial tumors. (full – 2006)

The non-psychoactive Cannabidiol triggers caspase activation and oxidative stress in human glioma cells. (abst - 2006)

Acyl-based anandamide uptake inhibitors cause rapid toxicity to C6 glioma cells at pharmacologically relevant concentrations. (abst – 2006)

http://www.springerlink.com/content/1403431i11728x733/

Safety and efficacy of a novel cannabinoid chemotherapeutic, KM-233, for the treatment of high-grade glioma. (abst – 2006)  http://www.springerlink.com/content/75pu360830261968/


Preclinical studies of KM-233, a safe and effective classical cannabinoid chemotherapeutic for the treatment of high-grade glioma (news – 2006)
http://www.aans.org/Media/Article.aspx?ArticleId=36969

Cannabinoids Curb Brain Tumor Growth, First-Ever Patient Trial Shows  (news – 2006)
http://www.norml.org/index.cfm?Group_ID=6947

THC tested against brain tumour in pilot clinical study  (news - 2006)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=222#1

Cannabinoids Induce Glioma Stem-like Cell Differentiation and Inhibit Gliomagenesis (full - 2007)  http://www.ibc.org/content/282/9/6854.long
Expression of cannabinoid receptors and neurotrophins in human gliomas.  (abst - 2007)  


Cannabinoids and gliomas.  (abst - 2007)  

New Study: Marijuana Might Cure Brain Tumors  (news – 2007)  
http://stopthedrugwar.org/speakeasy/2007/oct/18/new_study_marijuana_might_cure_br

Cannabinoids for Cancer Treatment: Progress and Promise  (full – 2008)  
http://cancerres.aacrjournals.org/content/68/2/339.long

Cannabinoids as potential new therapy for the treatment of gliomas  (full - 2008)  
http://safeaccess.ca/research/pdf/ParolaroCBasTherapyforGliomas2008.pdf

http://www.patentstorm.us/applications/20080262099/fulltext.html

Cannabinoids Inhibit Glioma Cell Invasion by Down-regulating Matrix Metalloproteinase-2 Expression  (full - 2008)  
http://cancerres.aacrjournals.org/cgi/content/full/68/6/1945

Delta 9-tetrahydrocannabinol inhibits cell cycle progression by downregulation of E2F1 in human glioblastoma multiforme cells.  (abst - 2008)  


5-Lipoxygenase and anandamide hydrolase (FAAH) mediate the antitumor activity of cannabidiol, a non-psychoactive cannabinoid.  (abst – 2008)  

High concentrations of cannabinoids activate apoptosis in human U373MG glioma cells.  (abst - 2008)  

Cannabinoids as potential new therapy for the treatment of gliomas.  (abst – 2008)  

Marijuana Kills Brain Cancer Cells  (news - 2008)  
Cannabinoid action induces autophagymediated cell death through stimulation of ER stress in human glioma cells.  (full - 2009)  
[link](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2673842/?tool=pmcentrez)

TRB3 links ER stress to autophagy in cannabinoid anti-tumoral action.  (full – 2009)  
[link](http://www.landesbioscience.com/journals/autophagy/SalazarAUTO5-7.pdf)

Amphiregulin is a factor for resistance of glioma cells to cannabinoid-induced apoptosis  (abst – 2009)  
[link](http://www.ncbi.nlm.nih.gov/pubmed/19229996)

Predominant CB2 receptor expression in endothelial cells of glioblastoma in humans.  (abst – 2009)  
[link](http://www.ncbi.nlm.nih.gov/pubmed/19480992)

THC initiates brain cancer cells to destroy themselves  (news - 2009)  
[link](http://www.worldhealth.net/news/thc_initiates_brain_cancer_cells_to_dest/)

Active Ingredient in Marijuana Kills Brain Cancer Cells  (news - 2009)  

Marijuana Chemical May Fight Brain Cancer  (news - 2009)  

Active Component Of Marijuana Has Anti-Cancer Effects, Study Suggests  (news - 2009)  
[link](http://www.sciencedaily.com/releases/2009/04/090401181217.htm)

Anti-Cancer Effects In Active Component Of Marijuana  (news – 2009)  
[link](http://www.medicalnewstoday.com/releases/144770.php)

Medical Marijuana and Brain Tumor, Malignant  (news – 2009)  
[link](https://www.marijuananadocs.com/content/ailments/view/16?ailment=brain-tumor-malignant)

Cannabidiol Enhances the Inhibitory Effects of Δ9-Tetrahydrocannabinol on Human Glioblastoma Cell Proliferation and Survival  (full - 2010)  
[link](http://mct.aacrjournals.org/content/9/1/180.full)

The expression level of CB1 and CB2 receptors determines their efficacy at inducing apoptosis in astrocytomas.  (full - 2010)  
[link](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2806825/?tool=pubmed)

Cannabinoid and cannabinoid-like receptors in microglia, astrocytes, and astrocytomas.  (full – 2010)  
[link](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2919281/?tool=pubmed)

Synthesis of Novel Cannabinoid Ligands and Their Use as Anti-Glioma and Anti-Inflammatory Agents  (full – 2010)  
[link](http://etd.uthsc.edu/WORLD-ACCESS/Gurley/2010-030-Gurley.pdf)

Anti-tumoural effects of cannabinoid combinations  - Patent TW2010002315 (A) — 2010-01-16  (full – 2010)
Opposite changes in cannabinoid CB1 and CB2 receptor expression in human gliomas. (abst – 2010)  

Science: Cannabidiol enhances the anti-cancer effects of THC on human brain cancer cells  (news – 2010)  
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=313#3

Cannabinoids inhibit glioma cell invasion in brain cancer studies  (news - 2010)  

Cannabis Rx: Cutting Through the Misinformation : Dr. Andrew Weil  (news - 2010)  

Cannabis Inhalation Associated With Spontaneous Tumor Regression  
(news - 2010)  

Drugs that reduce activity of ABDH6 enzyme can prevent brain damage: Study  
(news – 2010)  

Spontaneous regression of septum pellucidum/forniceal pilocytic astrocytomas-possible role of Cannabis inhalation.  
(full – 2011)  

A combined preclinical therapy of cannabinoids and temozolomide against glioma.  
(full – 2011)  
http://mct.aacrjournals.org/content/10/1/90.full

Phytocannabinoids for use in the treatment of cancer  - Patent GB2478595 (A) — 2011-09-14  
(full – 2011)  

Molecular Mechanisms Involved in the Antitumor Activity of Cannabinoids on Gliomas: Role for Oxidative Stress  
(link to PDF – 2011)  
http://www.mdpi.com/2072-6694/2/2/1013/

Stimulated of the midkine/ALK axis renders glioma cells resistant to cannabinoid antitumoral action. (abst – 2011)  

Tumors Regressing — Thanks to Cannabis?  (news – 2011)  


Id-1 is a Key Transcriptional Regulator of Glioblastoma Aggressiveness and a Novel Therapeutic Target. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/23243024


Is Marijuana the Cancer Cure We’ve Waited For? (news – 2012) http://www.empowher.com/cancer/content/marijuana-cancer-cure-we-ve-waited

Cannabis For Infant's Brain Tumor, Doctor Calls Child "A Miracle Baby" (news – 2012) http://www.huffingtonpost.com/2012/12/01/cannabis-for-infants-brain-2224898.html

Clinical trial evaluates synthetic cannabinoid as brain cancer treatment  (news – 2012)

Local delivery of cannabinoid-loaded microparticles inhibits tumor growth in a murine xenograft model of glioblastoma multiforme.  (full – 2013)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0054795

Influence of serum and albumin on the in vitro anandamide cytotoxicity toward C6 glioma cells assessed by the MTT cell viability assay: implications for the methodology of the MTT tests.  (full – 2013)

Honokiol-induced apoptosis and autophagy in glioblastoma multiforme cells.  (full - 2013)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3813738/

Cannabidiol, a Non-Psychoactive Cannabinoid Compound, Inhibits Proliferation and Invasion in U87-MG and T98G Glioma Cells through a Multitarget Effect.  (full – 2013)  http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0076918


Regulation of cell proliferation by GPR55/cannabinoid receptors using (R,R')-4'-methoxy-1-naphthylfenoterol in rat C6 glioma cell line  (abst – 2013)  http://www.abstractsonline.com/Plan/ViewAbstract.aspx?sKey=695437a2-7613-4bef-8697-2294df2da859&cKey=18ba6eb0-2e5f-4004-a56f-2d1f450e2ed1&mKey=9b2d28e7-24a0-466f-a3c9-07c21f6e9be9


As Anecdotal Reports of Anti-Cancer Effects from Cannabis 'Oil' Pile Up, Doctors Stress Need to Document Its Effects  (news – 2013)
CANCER - HEAD AND NECK

Marijuana Unlikely to Cause Head, Neck, or Lung Cancer  (news - 2000)

Marijuana use and Risk of Oral Squamous Cell Carcinoma  (full - 2004)
http://cancerres.aacrjournals.org/content/64/11/4049.full

Cannabis use and cancer of the head and neck: Case-control study  (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2277494/

A population-based case-control study of marijuana use and head and neck squamous cell carcinoma.  (full – 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2812803/?tool=pubmed

Marijuana May Reduce Risk of Certain Cancers, Study Says  
http://www.drugfree.org/uncategorized/marijuana-may-reduce-risk-of

Cannabis and the Lung: No More Smoking Gun?  

Cannabinoid receptor-2 immunoreactivity is associated with survival in squamous cell carcinoma of the head and neck.  

The use of cannabinoids in chronic pain.  

Association of Marijuana Smoking with Oropharyngeal and Oral Tongue Cancers: Pooled Analysis from the INHANCE Consortium.  

**CANCER - KAPOSI'S SARCOMA**

THC inhibits lytic replication of gamma oncogenic herpes viruses in vitro  

The CB1/CB2 receptor agonist WIN-55,212-2 reduces viability of human Kaposi’s sarcoma cells in vitro  

Recreational Drug Use and Risk of Kaposi's Sarcoma in HIV- and HHV-8-Coinfected Homosexual Men  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2981355/?tool=pubmed

Cannabidiol inhibits growth and induces programmed cell death in kaposi sarcoma-associated herpesvirus-infected endothelium.  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3527984/

**CANCER – KIDNEY**

Cannabinoid CB1 Receptor Is Downregulated in Clear Cell Renal Cell Carcinoma  
(full - 2010)  
http://jhc.sagepub.com/content/58/12/1129.long

**CANCER – LEUKEMIA**

Anandamide Induces Apoptosis in Human Cells via Vanilloid Receptors (full - 2000)  http://www.jbc.org/content/275/41/31938.full

Targeting CB2 cannabinoid receptors as a novel therapy to treat malignant lymphoblastic disease  (full - 2002)  http://bloodjournal.hematologylibrary.org/cgi/reprint/100/2/627.pdf


Cannabis-induced cytotoxicity in leukemic cell lines: the role of the cannabinoid receptors and the MAPK pathway  (full - 2004)  http://bloodjournal.hematologylibrary.org/cgi/content/full/105/3/1214


Cannabidiol-Induced Apoptosis in Human Leukemia Cells : A Novel Role of Cannabidiol in the Regulation of p22phox and Nox4 Expression  (full - 2006)  http://molpharm.aspetjournals.org/cgi/content/full/70/3/897

{Delta}9-Tetrahydrocannabinol-Induced Apoptosis in Jurkat Leukemia T Cells Is Regulated by Translocation of Bad to Mitochondria  (full - 2006)  http://mcr.aacrjournals.org/content/4/8/549.full


The CB2 cannabinoid receptor signals apoptosis via ceramide-dependent activation of the mitochondrial intrinsic pathway. (abst – 2006) 

Cannabis destroys cancer cells (news - 2006) 
http://www.news-medical.net/news/2006/03/01/16340.aspx

Cannabidiol inhibits tumour growth in leukaemia and breast cancer in animal studies (news - 2006) 

HU-331, a novel cannabinoid-based anticancer topoisomerase II inhibitor (full - 2007) 
http://mct.aacrjournals.org/content/6/1/173.long

Medical Marijuana Use and Research Leukemia & Lymphoma Society Statement (full – 2008) 

Enhancing the in vitro cytotoxic activity of Δ9-tetrahydrocannabinol in leukemic cells through a combinatorial approach (abst - 2008) 

Marijuana's Active Ingredient Kills Leukemia Cells (news - 2009) 
http://medicalmarijuanadoctors.org/marijuana-active-ingredient-kills-leukemia-cells

Substance use and survival after treatment for chronic myelogenous leukemia (CML) or myelodysplastic syndrome (MDS). (full - 2010) 
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2847847/?tool=pubmed

Cannabidiol induced a contrasting pro-apoptotic effect between freshly isolated and precultured human monocytes. (abst – 2011) 
http://www.unboundmedicine.com/medline/ebm/record/20471992/abstract/Cannabidiol_induced_a_contras ting_pro_apoptotic_effect_between_freshly_isolated_and_precultured_human_monocytes

Tumor necrosis factor activation of vagal afferent terminal calcium is blocked by cannabinoids. (abst – 2012) 

Marijuana compound could stop aggressive cancer metastasis (news - 2012) 

Can marijuana stop cancer? (news – 2012) 
http://www.examiner.com/article/can-marijuana-stop-cancer

Marijuana And Cancer: Scientists Find Cannabis Compound Stops Metastasis In Aggressive Cancers (news – 2012) 

Is Medical Marijuana Safe for Children? (news – 2012) 
Cannabis extract treatment for terminal acute lymphoblastic leukemia with a Philadelphia chromosome mutation (full – 2013) (Granny’s “STUDY OF THE YEAR")
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3901602/

Enhancing the Activity of Cannabidiol and Other Cannabinoids In Vitro Through Modifications to Drug Combinations and Treatment Schedules. (abst – 2013)

Dad defends decision to give 7-year-old daughter with leukemia marijuana for the pain (news – 2013)

Mother Investigated After Opting For Marijuana Over Chemotherapy (news – 2013)

Synthesis of Tetrahydrohonokiol Derivates and Their Evaluation for Cytotoxic Activity against CCRF-CEM Leukemia, U251 Glioblastoma and HCT-116 Colon Cancer Cells. (link to PDF – 2014) http://www.mdpi.com/1420-3049/19/1/1223

**CANCER – LIVER**

Overexpression of cannabinoid receptors CB1 and CB2 correlates with improved prognosis of patients with hepatocellular carcinoma. (abst – 2006)


Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects (abst – 2008) http://gut.bmj.com/content/57/8/1140.abstract

Apoptosis induced in HepG2 cells by the synthetic cannabinoid WIN: involvement of the transcription factor PPARgamma. (abst – 2009)

The synthetic cannabinoid WIN 55,212-2 sensitizes hepatocellular carcinoma cells to tumor necrosis factor-related apoptosis-inducing ligand (TRAIL)-induced apoptosis by activating p8/CCAAT/enhancer binding protein homologous protein (CHOP)/death receptor 5 (DR5) axis. (full – 2010) http://molpharm.aspetjournals.org/content/77/5/854.long


Cannabinoid receptor activation correlates with the pro-apoptotic action of the β2-adrenergic agonist, (R,R')-4'-methoxy-1-naphthylfenoterol, in HepG2 hepatocarcinoma cells. (full – 2012) http://jpet.aspetjournals.org/content/early/2012/07/09/jpet.112.195206.long


(R,R’)-4’-methoxy-1-naphthylfenoterol Inhibits GPR55 signaling and the modulation of motility in human cancer cells (abst – 2013) http://www.abstractsonline.com/Plan/ViewAbstract.aspx?sKey=25370896-7d13-4f15-be76-f664d79b577d&cKey=87b7fec1-45cc-42b7-aca7-48c6b1d42773&mKey=9b2d28e7-24a0-466f-a3c9-07c21f6e9be9

PPARγ mediates the effects of WIN55,212-2, an synthetic cannabinoid, on the proliferation and apoptosis of the BEL-7402 hepatocarcinoma cells. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/24062073

CANCER – LUNG *

Marijuana Unlikely to Cause Head, Neck, or Lung Cancer  (news - 2000)

Anti-Tumor Effects  (news - 2001)  http://www.ukcia.org/research/AntiTumorEffects.htm

Cannabis and tobacco smoke are not equally carcinogenic.  (full - 2005)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1277837/?tool=pubmed


Smoking Cannabis Does Not Cause Cancer of Lung or Upper Airways  (news - 2005)
http://www.alternet.org/drugs/142271/smoking_marijuana_does_notCause_lung_cancer/?page=entire

Cannabis Smoke Is Less Likely To Cause Cancer Than Tobacco Smoke  (news - 2005)
http://www.sciencedaily.com/releases/2005/10/051019003339.htm

Marijuana Use and the Risk of Lung and Upper Aerodigestive Tract Cancers: Results of a Population-Based Case-Control Study  (full - 2006)
http://cebp.aacrjournals.org/content/15/10/1829.full

Marijuana Use and Lung Cancer: Results of a Case-Control Study  (abst - 2006)
http://www.ukcia.org/research/MjUseAndLungCancer.php

Study Finds No Link Between Marijuana Use And Lung Cancer  (news - 2006)
http://www.sciencedaily.com/releases/2006/05/060526083353.htm

Study Finds No Cancer-Marijuana Connection  (news – 2006)
http://www.washingtonpost.com/wp-dyn/content/article/2006/05/25/AR2006052501729_pf.html

No association between lung cancer and cannabis smoking in large study  (news - 2006)

Marijuana Smoking Found Non-Carcinogenic  (news - 2006)
http://www.medpagetoday.com/HematologyOncology/LungCancer/tb/3393

Pot Smoking Not Linked to Lung Cancer  (news - 2006)
http://entheology.com/research/pot-smoking-not-linked-to-lung-cancer/

Large Study Finds No Link between Marijuana and Lung Cancer  (news - 2006)
http://www.scientificamerican.com/article.cfm?id=large-study-finds-no-link
Cannabinoid receptor agonists are mitochondrial inhibitors: a unified hypothesis of how cannabinoids modulate mitochondrial function and induce cell death. (abst – 2007)

{Delta}-9 Tetrahydrocannabinol inhibits growth and metastasis of lung cancer. (abst - 2007)
http://www.aacrmeetingabstracts.org/cgi/content/meeting_abstract/2007/1_Annual_Meeting/4749?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1760&resourcetype=HWCIT

Marijuana Cuts Lung Cancer Tumor Growth In Half, Study Shows (news – 2007)

Pot's Active Ingredient Halts Lung Cancer Growth, Study Says (news - 2007)
http://www.illinoisnorml.org/content/view/529/27/


Inhibition of Cancer Cell Invasion by Cannabinoids via Increased Expression of Tissue Inhibitor of Matrix Metalloproteinases-1 (full - 2008) http://jnci.oxfordjournals.org/cgi/content/full/100/1/59

Cannabinoids for Cancer Treatment: Progress and Promise (full – 2008) http://cancerres.aacrjournals.org/content/68/2/339.long

Doubts about the role of cannabis in causing lung cancer. (letter - 2008) http://erj.ersjournals.com/cgi/content/full/32/3/815


Effects of smoking cannabis on lung function  (full - 2011)  http://www.expert-reviews.com/doi/full/10.1586/ers.11.40

Cannabinoid receptors, CB1 and CB2, as novel targets for inhibition of non-small cell lung cancer growth and metastasis  (full - 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3025486/?tool=pubmed

Cannabidiol inhibits lung cancer cell invasion and metastasis via intercellular adhesion molecule-1.  (full – 2011)  http://www.fasebj.org/content/26/4/1535.long


Is Marijuana the Cancer Cure We’ve Waited For?  (news – 2012)  http://www.empowher.com/cancer/content/marijuana-cure-we-we-waited


Effects of marijuana smoking on the lung.  (abst – 2013)  

Cannabis smoking and lung cancer risk: pooled analysis in the International Lung Cancer Consortium  (abst – 2013)  
http://www.abstractsonline.com/Plan/ViewAbstract.aspx?mID=3086&sKey=3e3df4f9-a49f-40e7-a260-ccc3c54e0125&cKey=c7c6690d-3e5e-438e-9de4-d6f67a0703fb&mKey=9b2d28e7-24a0-466f-a3c9-07c21f6e9bc9


Federal Government Reports Marijuana Effective in Combatting Certain Cancers Reports ADSI  (news – 2013)  
http://www.reuters.com/article/2013/03/12/idUSnGNXUXIPEa+1fe+GNW20130312

Marijuana habit not linked to lung cancer  (news – 2013)  

**CANCER – LYMPHOMA** *

Anandamide Induces Apoptosis in Human Cells via Vanilloid Receptors  
(full - 2000)  
http://www.jbc.org/content/275/41/31938.full

Targeting CB2 cannabinoid receptors as a novel therapy to treat malignant lymphoblastic disease  
(full - 2002)  
http://bloodjournal.hematologylibrary.org/cgi/content/full/100/2/627

Lymphoma may be slowed by cannabis  
(news - 2002)  

High level of cannabinoid receptor 1, absence of regulator of G protein signalling 13 and differential expression of Cyclin D1 in mantle cell lymphoma  (abst – 2003)  

The Peripheral Cannabinoid Receptor CB2 and CD40 Are Novel Biological Markers That Predict Outcome in Diffuse Large B-Cell Lymphoma of Elderly Patients.  
(abst - 2004)  
http://abstracts.hematologylibrary.org/cgi/content/abstract/104/11/3256?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=800&resourcetype=HWCIT

Cannabinoid Receptor-Mediated Apoptosis Induced by R(+)–Methanandamide and Win55,212-2 Is Associated with Ceramide Accumulation and p38 Activation in Mantle Cell Lymphoma  (full - 2006)  http://molpharm.aspetjournals.org/content/70/5/1612.full


Cannabinoids for Cancer Treatment: Progress and Promise  (full – 2008)  http://cancerres.aacrjournals.org/content/68/2/339.long


Cannabis Agonist Reduces Non-Hodgkin Lymphoma Tumor Growth, says study  (news - 2008)  http://www.illinoisnorml.org/content/view/957/27/

Potentiation of cannabinoid-induced cytotoxicity in mantle cell lymphoma through modulation of ceramide metabolism.  (full - 2009)  http://mcr.aacrjournals.org/content/7/7/1086.long


**CANCER – MELANOMA** *

Cannabinoid receptors as novel targets for the treatment of melanoma  (full - 2006)  http://www.fasebj.org/cgi/content/full/20/14/2633?ijkey=958a31584b617c871b46ef1af541c90cc0fb0f14

Cannabinoid receptor-1 modulation induces apoptosis of human melanoma cells (abst - 2008)
http://www.aacrmeetingabstracts.org/cgi/content/meeting_abstract/2008/1_Annual_Meeting/2678?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=800&resourcetype=HWCIT

The antimitogenic effect of the cannabinoid receptor agonist WIN55212-2 on human melanoma cells is mediated by the membrane lipid raft. (abst – 2011)

Inhibition of basal and ultraviolet B-induced melanogenesis by cannabinoid CB(1) receptors: a keratinocyte-dependent effect. (abst – 2011)

The association of N-palmitoylethanolamine with the FAAH inhibitor URB597 impairs melanoma growth through a supra-additive action (full – 2012)
http://www.biomedcentral.com/1471-2407/12/92

Revisiting CB1 Receptor as Drug Target in Human Melanoma. (abst – 2012)

Cannabinoid receptor 2 is upregulated in melanoma. (abst – 2013)

Anticancer activity of anandamide in human cutaneous melanoma cells. (abst – 2013)

Calcium regulation by temperature-sensitive transient receptor potential channels in human uveal melanoma cells. (abst – 2013)

**CANCER - MULTIPLE MYELOMA**

The effects of cannabidiol and its synergism with bortezomib in multiple myeloma cell lines. A role for transient receptor potential vanilloid type-2 (abst – 2013)

**CANCER – NEUROBLASTOMA** *

Anandamide Induces Apoptosis in Human Cells via Vanilloid Receptors (full - 2000)
http://www.jbc.org/content/275/41/31938.full
A predominant role for inhibition of the adenylate cyclase/protein kinase A pathway in ERK activation by cannabinoid receptor 1 in N1E-115 neuroblastoma cells. (full – 2003) http://www.jbc.org/content/278/49/48973.long

Characterization of the Endocannabinoid System in Human Neuronal Cells and Proteomic Analysis of Anandamide-induced Apoptosis (full – 2009) http://www.jbc.org/content/284/43/29413.full

Increasing Antiproliferative Properties of Endocannabinoids in N1E-115 Neuroblastoma Cells through Inhibition of Their Metabolism. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3203169/?tool=pubmed


**CANCER – ORAL**

Marijuana use and Risk of Oral Squamous Cell Carcinoma (full - 2004) http://cancerres.aacrjournals.org/content/64/11/4049.full


Marijuana Use and the Risk of Lung and Upper Aerodigestive Tract Cancers: Results of a Population-Based Case-Control Study (full - 2006) http://cebp.aacrjournals.org/content/15/10/1829.full

Peripheral Cannabinoids Attenuate Carcinoma Induced Nociception in Mice (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2771220/

A Population-Based Case-Control Study of Marijuana Use and Head and Neck Squamous Cell Carcinoma. (full - 2009) http://safeaccess.ca/research/pdf/MarijuanaUse_and_Head-NeckSquamousCellCarcinoma.pdf


Cannabinoids attenuate cancer pain and proliferation in a mouse model. (full - 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3099480/?tool=pubmed


Anandamide inhibits proliferation of oral squamous cell carcinoma (abst – 2013) http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/729.16?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad


CANCER - OVARIAN

Cannabinoid receptors as a target for therapy of ovarian cancer (abst - 2006) http://www.aacrmeetingabstracts.org/cgi/content/abstract/2006/1/1084?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=560&resourcetype=HWCIT


CANCER - PANCREATIC

Pancreatitis & Medical Marijuana (article - undated) http://onlinepot.org/medical/pancreatitis.htm
Cannabinoids Induce Apoptosis of Pancreatic Tumor Cells via Endoplasmic Reticulum Stress–Related Genes (full - 2006) http://cancerres.aacrjournals.org/cgi/content/full/66/13/6748


Cannabinoids for Cancer Treatment: Progress and Promise (full – 2008) http://cancerres.aacrjournals.org/content/68/2/339.long

Cannabinoids in pancreatic cancer: Correlation with survival and pain (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2225529/?tool=pmcentrez

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects (abst – 2008) http://gut.bmj.com/content/57/8/1140.abstract


Comparative proteomic and phosphoproteomic profiling of pancreatic adenocarcinoma cells treated with CB1 or CB2 agonists. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23463621


CANCER - PITUITARY ADENOMA

**CANCER – PNET / PRIMITIVE NEUROECTODERMAL TUMOR**


**CANCER – PROSTATE** *


2-Arachidonoylglycerol A Novel Inhibitor of Androgen-Independent Prostate Cancer Cell Invasion  (full - 2004)  http://cancerres.aacrjournals.org/cgi/content/full/64/24/8826?ijkey=951f5f9d238bd059c3f30ee2be3a5a31aa2b094


Cannabinoid Receptor as a Novel Target for the Treatment of Prostate Cancer  (full - 2005)  http://cancerres.aacrjournals.org/cgi/reprint/65/5/1635.pdf

Cannabinoid Receptor Agonist-induced Apoptosis of Human Prostate Cancer Cells LNCaP Proceeds through Sustained Activation of ERK1/2 Leading to G1 Cell Cycle Arrest  (full - 2006)  http://www.jbc.org/content/281/51/39480.full
Diverse roles of 2-arachidonoylglycerol in invasion of prostate carcinoma cells: Location, hydrolysis and 12-lipoxygenase metabolism (full – 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2565646/?tool=pubmed

http://www.patentstorm.us/applications/20070041994/fulltext.html

Cannabinoid receptors agonist WIN-55,212-2 inhibits angiogenesis, metastasis and tumor growth of androgen-sensitive prostate cancer cell CWR22R{nu}1 xenograft in athymic nude mice (abst - 2007)  
http://www.aacrmeetingabstracts.org/cgi/content/meeting_abstract/2007/1_Annual_Meeting/2195?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=720&resourcetype=HWCIT

Cannabinoids for Cancer Treatment: Progress and Promise (full – 2008)  
http://cancerres.aacrjournals.org/content/68/2/339.long

Endocannabinoids in endocrine and related tumours (full - 2008)  
http://erc.endocrinology-journals.org/cgi/reprint/15/2/391.pdf

Inhibition of human tumour prostate PC-3 cell growth by cannabinoids R(+)-Methanandamide and JWH-015: Involvement of CB2 (full - 2009)  
http://www.nature.com/bjc/journal/v101/n6/full/6605248a.html

The cannabinoid R+ methanandamide induces IL-6 secretion by prostate cancer PC3 cells. (abst - 2009)  

Active Chemicals in Cannabis Inhibits Prostate Cancer Cell Growth (news - 2009)  

Cannabis is linked to a 'cancer cure'. (news – 2009)  
http://www.thefreelibrary.com/Cannabis+is+linked+to+a+%27cancer+cure%27+HEALTH.-a0206081618

Cannabis chemicals may help fight prostate cancer (news - 2009)  
http://www.reuters.com/article/healthNews/idUSTRE57I02Z20090819

Chemicals in cannabis found to stop prostate cancer (news - 2009)  

Active cannabis chemicals halt prostate cancer cell growth (news - 2009)  

Medical Marijuana and Cancer, Prostate (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/55?ailment=cancer-prostate

Cannabinoid receptor-dependent and -independent anti-proliferative effects of omega-3 ethanolamides in androgen receptor-positive and -negative prostate cancer cell lines.


Omega-3 N-acylethanolamines are endogenously synthesised from omega-3 fatty acids in different human prostate and breast cancer cell lines. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21995886


The role of cannabinoids in prostate cancer: Basic science perspective and potential clinical applications. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3339795/?tool=pubmed

Cannabinoid Receptor Type 1 (CB1) Activation Inhibits Small GTPase RhoA Activity and Regulates Motility of Prostate Carcinoma Cells (full – 2012) http://endo.endojournals.org/content/153/1/29.full


Is Marijuana the Cancer Cure We’ve Waited For? (news – 2012) http://www.empowher.com/cancer/content/marijuana-cancer-cure-we-ve-waited
Tommy Chong Fighting Prostate Cancer With Cannabis Oil  
http://www.cannabisculture.com/content/2012/06/10/Tommy-Chong-Fighting-Prostate-Cancer-Cannabis-Oil

Non-THC cannabinoids inhibit prostate carcinoma growth in vitro and in vivo: pro-apoptotic effects and underlying mechanisms.  

Association between Cannabinoid CB1 Receptor Expression and Akt Signalling in Prostate Cancer  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0065798

The Endocannabinoid System and Sex Steroid Hormone-Dependent Cancers  
http://www.hindawi.com/journals/ije/2013/259676/

US Patent Application 20130059018 - PHYTOCANNABINOIDS IN THE TREATMENT OF CANCER  
http://www.patentstorm.us/applications/20130059018/fulltext.html

Synthetic cannabinoid quinones: Preparation, in vitro antiproliferative effects and in vivo prostate antitumor activity.  

Tommy Chong Is "Cancer Free;" Claims Marijuana Cures Cancer  

Ketoconazole Inhibits the Cellular Uptake of Anandamide via Inhibition of FAAH at Pharmacologically Relevant Concentrations  

Honokiol inhibits androgen receptor activity in prostate cancer cells  

**CANCER - RHABDOMYOSARCOMA**

Cannabinoid receptor 1 is a potential drug target for treatment of translocation-positive rhabdomyosarcoma  
http://mct.aacrjournals.org/content/8/7/1838.full

**CANCER - RISK CANNABIS VS TOBACCO** *

Cannabis and tobacco smoke are not equally carcinogenic  

Smoking Marijuana Does Not Cause Lung Cancer  (news - 2005)
http://www.mapinc.org/drugnews/v05/n1065/a03.html

Cannabis Smoke Is Less Likely To Cause Cancer Than Tobacco Smoke  (news - 2005)
http://www.sciencedaily.com/releases/2005/10/051019003339.htm

Blunt Smokers Link Dependence Potential To Nicotine  (news - 2006)
http://www.medicalnewstoday.com/articles/52838.php

Marijuana Smoking Found Non-Carcinogenic  (news - 2006)
http://www.medpagetoday.com/HematologyOncology/LungCancer/tb/3393

Cannabis Smoke and Cancer: Assessing the Risk  (news - 2008)
http://www.norml.org/index.cfm?Group_ID=6891

Hypothesizing that marijuana smokers are at a significantly lower risk of carcinogenicity relative to tobacco-non-marijuana smokers: evidenced based on statistical reevaluation of current literature.  (full - 2008)
http://www.thefreelibrary.com/Hypothesizing+that+marijuana+smokers+are+at+a+significantly+lower...-a0196052086

**CANCER - SKIN**

Inhibition of skin tumor growth and angiogenesis in vivo by activation of cannabinoid receptors  (full - 2003)  http://www.jci.org/cgi/content/full/111/1/43?ijkey=MpUgjDbqHybAU

Starting Point Of Sun-Induced Skin Cancer Discovered: Molecular 'Hooks' Also Pull Compounds From Marijuana From Bloodstream  (news - 2008)
http://www.sciencedaily.com/releases/2008/05/080515072642.htm

U of Minnesota researcher discovers the starting point of sun-induced skin cancer  (news – 2008)

Cannabis Science Provides Physician’s Documentation That Confirms Successful Treatment of Skin Cancer  (news/ info-mercial – 2011)

The association of N-palmitoylethanolamine with the FAAH inhibitor URB597 impairs melanoma growth through a supra-additive action  (full – 2012)
http://www.biomedcentral.com/1471-2407/12/92
Chemopreventive effects of combination of honokiol and magnolol with α-santalol on skin cancer developments. (full – 2013)

Cyclooxygenase-2 regulates anandamide-induced endoplasmic reticulum stress in tumorigenic keratinocytes (abst - 2013)
http://www.abstractsonline.com/Plan/ViewAbstract.aspx?sKey=47d150a2-0c18-41e2-aeef-cb249909524&cKey=7e13a39d-b13e-4de7-a0c8-179c2d78ec62&mKey=9b2d28e7-24a0-466f-a3e9-07c21f6e9bc9


Marijuana May Turn Off DNA Linked To Skin Cancer And Other Diseases (news – 2013)

Anandamide May Serve Anticancer Role In Skin Cancer (news – 2013)

Cannabinoids Found to Reduce 90% of Skin Cancer in Just 20 Weeks, According to New Study (news – 2013)

CANCER – SQUAMOUS CELL CARCINOMA

Inhibition of skin tumor growth and angiogenesis in vivo by activation of cannabinoid receptors (full – 2003) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC151833/

Marijuana use and Risk of Oral Squamous Cell Carcinoma (full - 2004)
http://cancerres.aacrjournals.org/content/64/11/4049.full

Peripheral Cannabinoids Attenuate Carcinoma Induced Nociception in Mice (full – 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2771220/

A Population-Based Case-Control Study of Marijuana Use and Head and Neck Squamous Cell Carcinoma. (abst - 2009)  
http://cancerpreventionresearch.aacrjournals.org/cgi/content/abstract/2/8/759

Effects of Cannabinoids on Oral Squamous Cell Carcinoma Proliferation  
(abst – 2009)  

Concomitant consumption of marijuana, alcohol and tobacco in oral squamous cell carcinoma development and progression: Recent advances and challenges.  
(abst – 2012)  

Cannabis Oil Shrinks “One Of The Worst” Cancers  
(news – infomercial – 2012)  
(warning: graphic photos)  

Cannabinoid receptor-2 immunoreactivity is associated with survival in squamous cell carcinoma of the head and neck.  
(abst – 2013)  

Anandamide inhibits proliferation of oral squamous cell carcinoma  
(abst – 2013)  
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/729.16?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad

CANCER – TESTICULAR *

Chemotherapy for Testicular Cancer  
(anecdotal - undated)  
http://www.rxmarihuana.com/shared_comments/testicularchemo.htm

CANCER - THYMOMA

A comparative study on cannabidiol-induced apoptosis in murine thymocytes and EL-4 thymoma cell  
(abst - 2008)  
http://www.greenmedinfo.com/article/cannabinoids-may-have-therapeutic-role-play-treating-thyoma

CANCER - THYROID
Control by the endogenous cannabinoid system of ras oncogene-dependent tumor growth (full - 2001)  
http://www.fasebj.org/cgi/reprint/15/14/2745?ijkey=1b6e92836655dd275d36c82a7957423ec2106c6a

Inhibitory effects of cannabinoid CB1 receptor stimulation on tumor growth and metastatic spreading: actions on signals involved in angiogenesis and metastasis  
(full - 2003)  
http://www.fasebj.org/cgi/reprint/17/12/1771

A new strategy to block tumor growth by inhibiting endocannabinoid inactivation.  
(full – 2006)  
http://www.fasebj.org/content/early/2004/10/02/fj.04-1754fje.long

Endocannabinoids in endocrine and related tumours  
http://erc.endocrinology-journals.org/cgi/reprint/15/2/391.pdf

Cannabinoid 2 receptor induction by IL-12 and its potential as a therapeutic target for the treatment of anaplastic thyroid carcinoma.  
(full - 2008)  
http://www.nature.com/cgt/journal/v15/n2/full/7701101a.html

A metabolically stable analogue of anandamide, Met-F-AEA, inhibits human thyroid carcinoma cell lines by activation of apoptosis  
(abst - 2009)  

Repositioning therapy for thyroid cancer: new insights on established medications.  
(abst – 2014)  

CANCER - VARIOUS/ UNNAMED

Unpublished Federal Study Found THC-Treated Rats Lived Longer, Had Less Cancer  
(news - undated)  

Anandamide Induces Apoptosis in Human Cells via Vanilloid Receptors  
(full - 2000)  
http://www.ibc.org/content/275/41/31938.full

Therapeutic Aspects of Cannabis and Cannabinoids  
(full - 2001)  

Anti-Tumor Effects  
(news - 2001)  
http://www.ukcia.org/research/AntiTumorEffects.htm

Targeting the endocannabinoid system in cancer therapy: A call for further research  
(full - 2002)  

Patent 6410588  Use of cannabinoids as anti-inflammatory agents  
(full – 2002)  
http://www.patentstorm.us/patents/6410588/fulltext.html
Endocannabinoids in the immune system and cancer. (abst - 2002)

http://americanmarijuana.org/Guzman-Cancer.pdf

Inhibition of tumor angiogenesis by cannabinoids (full - 2003)
http://www.fasebj.org/cgi/reprint/02-0795fjeev1?ijkey=93a5d281f850b12428e0ce7239c7af67fe8fab6f

Established and potential therapeutic applications of cannabinoids in oncology
(abst - 2003) http://www.springerlink.com/content/py9cunbm343und5v/

The effects of smoked cannabis in painful peripheral neuropathy (abst - 2003)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=96

Therapeutic potential of cannabinoids in CNS disease. (abst - 2003)

Cannabinoid receptor systems: therapeutic targets for tumour intervention


The endocannabinoid anandamide neither impairs in vitro T-cell function nor induces regulatory T-cell generation. (full – 2004) http://ar.iiarjournals.org/content/28/6A/3743.long

Cannabis May Help Combat Cancer-causing Herpes Viruses (news - 2004)


Medicinal Cannabis in Oncology Practice: Still a Bridge Too Far? (full – 2005)
http://jco.ascopubs.org/content/23/13/2886.full.pdf+html

Involvement of Cannabinoids in Cellular Proliferation (full - 2005)
http://www.bentham.org/mrmc/sample/mrmc5-1/0008N.pdf


Marijuana Use and the Risk of Lung and Upper Aerodigestive Tract Cancers: Results of a Population-Based Case-Control Study (full - 2006)
http://cebp.aacrjournals.org/content/15/10/1829.full

Comparison of orally administered cannabis extract and delta-9-tetrahydrocannabinol in treating patients with cancer-related anorexia-cachexia syndrome: a multicenter, phase III, randomized, double-blind, placebo-controlled clinical trial from the Cannabis-In-Cachexia-Study-Group. (full - 2006) http://jco.ascopubs.org/content/24/21/3394.long

Cannabinoids and cancer: pros and cons of an antitumour strategy (full - 2006) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1617062/?tool=pmcentrez

Cannabinoids and cancer: pros and cons of an antitumour strategy (full - 2006) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1617062/?tool=pmcentrez

Cannabinoids As Cancer Hope (article - 2006) http://www.norml.org/index.cfm?Group_ID=6814


Inhibition of Cancer Cell Invasion by Cannabinoids via Increased Expression of Tissue Inhibitor of Matrix Metalloproteinases-1 (full - 2007) http://jnci.oxfordjournals.org/cgi/content/full/100/1/59

A Cannabinoid Anticancer Quinone, HU-331, Is More Potent and Less Cardiotoxic Than Doxorubicin: A Comparative in Vivo Study (full - 2007) http://jpet.aspetjournals.org/content/322/2/646.full


Endocannabinoids as emerging suppressors of angiogenesis and tumor invasion (Review) (link to PDF – 2007) http://www.spandidos-publications.com/or/17/4/813


No Decrease in Pulmonary Function Associated with Long-Term Cannabis Smoking, Study Says (news - 2007) http://www.illinoisnorml.org/content/view/366/27/


Hypothesizing that marijuana smokers are at a significantly lower risk of carcinogenicity relative to tobacco-non-marijuana smokers: evidenced based on statistical reevaluation of current literature. (full - 2008) http://www.thefreelibrary.com/Hypothesizing+that+marijuana+smokers+are+at+a+significantly+lower...-a0196052086


Cannabinoids for Cancer Treatment: Progress and Promise (full – 2008) http://cancerres.aacrjournals.org/content/68/2/339.long


Science: Nabilone effective in the treatment of night sweats of four patients with advanced cancer (news – 2008)
Cannabis Smoke and Cancer: Assessing the Risk  (news - 2008)
http://www.norml.org/index.cfm?Group_ID=6891

Marijuana May Prevent Cancer, Not Cause It  (news - 2008)
http://entheology.com/research/marijuana-may-prevent-cancer-not-cause-it/

Changes in the Endocannabinoid System May Give Insight into new and Effective Treatments for Cancer  (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2791688/?tool=pmcentrez

Cannabinoids as novel anti-inflammatory drugs.  (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2828614/?tool=pubmed

Cannabinoid receptor ligands as potential anticancer agents--high hopes for new therapies?  (full - 2009)

TRB3 links ER stress to autophagy in cannabinoid antitumoral action (link to PDF - 2009)  
http://www.landesbioscience.com/journals/autophagy/article/9508

Cannabinoids in the treatment of cancer  (abst - 2009)

Use of cannabinoid receptor agonists in cancer therapy as palliative and curative agents (abst - 2009)  

Hexahydrocannabinols, novel synthetic cannabinoid derivatives, suppress the tumor growth by inhibiting the VEGF secretion and angiogenesis  (abst - 2009)
http://www.fasebj.org/cgi/content/meeting_abstract/23/1_MeetingAbstracts/761.3?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HWCIT

A Population-Based Case-Control Study of Marijuana Use and Head and Neck Squamous Cell Carcinoma.  (abst - 2009)
http://cancerpreventionresearch.aacrjournals.org/cgi/content/abstract/2/8/759

Cannabinoids: potential anticancer agents.  (news – 2009)
http://www.wellsphere.com/healthy-eating-article/cannabinoids-potential-anticancer-agents/798366

Cannabis Compounds have "Palliative" and "Curative" Effects on Cancer  (news - 2009)
http://www.illinoisnorml.org/content/view/1013/27/

Could smoking pot cut risk of head, neck cancer?  (news - 2009)

Medical Marijuana and Cancer  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/19?ailment=cancer
Antitumorigenic Effects of Cannabinoids beyond Apoptosis (full - 2010)
http://jpet.aspetjournals.org/content/332/2/336.full?sid=af53ea87-ab4b-426e-9c7e-8f750e9c4a17

NEW USE FOR CANNABINOID-CONTAINING PLANT EXTRACTS
Patent application number: 20100249223 (full - 2010)
http://www.faqs.org/patents/app/20100249223

http://www.patentstorm.us/applications/20100204312/fulltext.html


Vets use hemp seed oil on animals with cancer (news - 2010)

Cannabis Rx: Cutting Through the Misinformation : Dr. Andrew Weil (news - 2010)
http://www.huffingtonpost.com/andrew-weil-md/can-cannabis-treat-cancer_b_701005.html

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Arachidonoyl ethanolamide (AEA)-induced apoptosis is mediated by J-series prostaglandins and is enhanced by fatty acid amide hydrolase (FAAH) blockade. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3134573/pdf/nihms275514.pdf

Intrathecal Administration of the Cannabinoid 2 Receptor Agonist JWH015 Can Attenuate Cancer Pain and Decrease mRNA Expression of the 2B Subunit of N-Methyl-d-Aspartic Acid (full – 2011)
http://journals.lww.com/anesthesia-analgesia/fulltext/2011/08000/Intrathecal_Administration_of_the_Cannabinoid_2.33.aspx

The endocannabinoid system and cancer: therapeutic implication (full – 2011)


Update on the endocannabinoid system as an anticancer target. (abst – 2011)

The endocannabinoid system in the cancer therapy: an overview. (abst – 2011)

Medical Reasons for Marijuana (news – 2011)
http://www.livestrong.com/article/98476-medical-reasons-marijuana/

Ingredient in cannabis restores taste for cancer patients (news – 2011)

How Does Marijuana Help Cancer Patients? (news – 2011)

Worth Repeating: You Can’t Censor Cannabis Cancer Treatment (news – 2011)
http://www.tokeofthetown.com/2011/03/worth_repeating_you_cant_censor_cannabis_cancer_tr.php#more

The Illegal Herb that Fights Cancer (news - 2011)
http://www.cannabisculture.com/v2/node/27122

Another Study Confirms Anti-Cancer Effects of THC and CBD (news – 2011)

Why doesn’t marijuana cause cancer? (news – 2011)

Monoacylglycerol lipase – a target for drug development? (full – 2012)

Role of Lipid Rafts/Caveolae in the Anticancer Effect of Endocannabinoids. (abst – 2012)


Towards the use of cannabinoids as antitumour agents (abst – 2012) http://www.nature.com/nrc/journal/v12/n6/abs/nrc3247.html

Cannabinoid Shown Effective as Adjuvant Analgesic for Cancer Pain (news - 2012) http://www.sciencedaily.com/releases/2012/06/120604142426.htm


Cannabinoid formulation benefits opioid-refractory pain  (news – 2012)  

5 Marijuana Compounds That Could Help Combat Cancer, Alzheimers, Parkinsons (If Only They Were Legal)  (news – 2012)  
http://www.alternet.org/drugs/5-marijuana-compounds-could-help-combat-cancer-alzheimers-parkinsons-if-only-they-were-legal

Modulating the endocannabinoid system in human health and disease: successes and failures  (full – 2013)  

Harnessing the genome for characterization of G-protein coupled receptors in cancer pathogenesis  (full – 2013)  

Direct modulation of the outer mitochondrial membrane channel, voltage-dependent anion channel 1 (VDAC1) by cannabidiol: a novel mechanism for cannabinoid-induced cell death.  (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3877544/

The Endocannabinoid System and Sex Steroid Hormone-Dependent Cancers  (full – 2013)  
http://www.hindawi.com/journals/ije/2013/259676/

Cannabidiol as potential anticancer drug  (full – 2013)  

Critical appraisal of the potential use of cannabinoids in cancer management.  (link to PDF – 2013)  

Endocannabinoid signaling in cancer: a rather complex puzzle  (letter- 2013)  

Effects of cannabinoids and related fatty acids upon the viability of P19 embryonal carcinoma cells.  (abst – 2013)  

The pseudokinase tribbles homologue-3 plays a crucial role in cannabinoid anticancer action.  (abst – 2013)  

The endocannabinoid signaling system in cancer.  (abst – 2013)  

Cytotoxic effect of Efavirenz is selective against cancer cells and associated with the cannabinoid system.  (abst – 2013)  

A new strategy to block tumor angiogenesis by inhibiting endocannabinoid inactivation  (abst – 2013)
Preparation and characterization of Δ9-tetrahydrocannabinol-loaded biodegradable polymeric microparticles and their antitumoral efficacy on cancer cell lines. (abst – 2013)

Orphan G protein receptor GPR55 as an emerging target in cancer therapy and management. (abst – 2013)

Therapeutic potential of monoacylglycerol lipase inhibitors. (abst – 2013)

Therapeutic potential of cannabinoid medicines. (abst – 2013)

Autophagy triggered by magnolol derivative negatively regulates angiogenesis. (abst – 2013)


Federal Government Reports Marijuana Effective in Combatting Certain Cancers Reports ADSI (news – 2013)

4 Examples of Alternative Cancer Therapies (news – 2013)

Hemp Could Free Us From Oil, Prevent Deforestation, Cure Cancer and It’s Environmentally Friendly – So Why Is It Illegal? (news – 2013)

Still Believe Nature Got It Wrong? Top 10 Health Benefits of Marijuana (news – 2013)

Fighting Cancer: Another Study Reveals the Cannabis and Cancer Link (news – 2013)

New Study: THC May Treat Inflammatory Diseases and Cancer By Altering Genes (news – 2013)

20 Medical Studies That Prove Cannabis Can Cure Cancer (news – 2013)
Study shows non-hallucinogenic cannabinoids are effective anti-cancer drugs  
(news – 2013)  

New Study Proves Cannabinoids Have Cancer Fighting Properties  
(news – 2013)  
http://www.opposingviews.com/i/society/drug-law/new-study-proves-cannabinoids-have-cancer-fighting-properties

**CANCER - VULVAR**

Therapeutic utility of palmitoylethanolamide in the treatment of neuropathic pain associated with various pathological conditions: a case series  
(full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3500919/

**CANNABINOID HYPEREMESIS SYNDROME** – vomiting due to cannabinoid overdose

Cannabinoid hyperemesis: cyclical hyperemesis in association with chronic cannabis abuse  
(full – 2004)  
http://gut.bmj.com/content/53/11/1566.full

Cannabinoid hyperemesis: not just a problem in Adelaide Hills  
(letter – 2005)  
http://gut.bmj.com/content/54/5/731.1.full?ijkey=1efc19d4fee30ce0ca73a84272095f5ff8b63736&keytype2=tf_ipsecsha

"Cannabis hyperemesis" causation questioned.  
(full – 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1856368/?tool=pubmed

Cannabinoid hyperemesis: marijuana puts patients in hot water.  
(abst – 2007)  

Cannabinoid hyperemesis relieved by compulsive bathing.  
(full – 2009)  

Cyclical hyperemesis secondary to cannabis abuse  
(abst – 2009)  

A severe vomiting sickness with chronic cannabis abuse  
(news – 2009)  

Cannabinoid hyperemesis.  (# 1)  
(full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2886568/?tool=pubmed

Cannabinoid-Induced Hyperemesis: A Conundrum—From Clinical Recognition to Basic Science Mechanisms (link to PDF - 2010) http://www.mdpi.com/1424-8247/3/7/2163/


A man in his 30s with recurrent vomiting and abdominal pain relieved by hot showers (full – 2011) http://tidsskriftet.no/article/2167144/en_GB/

Cannabinoid hyperemesis syndrome as the underlying cause of intractable nausea and vomiting. (abst - 2011) http://www.ncbi.nlm.nih.gov/pubmed/21464265


Association of Marijuana Use and Cyclic Vomiting Syndrome (link to PDF – 2012) http://www.mdpi.com/1424-8247/5/7/719


Marijuana use associated with cyclic vomiting syndrome in young males (news – 2012) [http://www.eurekalert.org/pub_releases/2012-01/w-mua010912.php]

Marijuana use may cause severe cyclic nausea, vomiting, a little-known, but costly effect (news – 2012) [http://www.sciencedaily.com/releases/2012/10/121022081353.htm]

Cannabinoid hyperemesis syndrome with extreme hydrophilia (link to PDF – 2013) [http://www.dovepress.com/cannabinoid-hyperemesis-syndrome-with-extreme-hydrophilia-a14072]


CARDOVASCULAR - see HEART DISEASE

CARPAL TUNNEL SYNDROME

Medical Marijuana and Carpal Tunnel Syndrome  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/104?ailment=carpal-tunnel-syndrome

Use of palmitoylethanolamide in the entrapment neuropathy of the median in the wrist.  

CELIAC DISEASE

Overactivity of the intestinal endocannabinoid system in celiac disease and in methotrexate-treated rats.  

Hemp: A replacement for common food allergens?  

Celiac Disease and Medical Marijuana  (news – 2009)  
http://pharmcannabis.com/?p=14

Abnormal anandamide metabolism in celiac disease.  

The Cannabinoid Receptor type 2 Q63R variant increases the risk of celiac disease: Implication for a novel molecular biomarker and future therapeutic intervention.  

Altered expression of type-1 and type-2 cannabinoid receptors in celiac disease.  

CEREBRAL PALSY *
Endocannabinoids potently protect the newborn brain against AMPA-kainate receptor-mediated excitotoxic damage.  (full – 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1751782/?tool=pubmed


Alternative Drug Therapy Approach Alleviates Cerebral Palsy Symptoms and Muscle Spasticity  (news – 2011)  

Cerebral Palsy Victim Sues City Over Medical Marijuana  (news/anecdotal – 2011)  

Medical marijuana from the patient's perspective  (news/anecdotal – 2011)  

**CESAMET** - see NABILONE

**CHAGAS DISEASE/ AMERICAN TRYPANOSOMIASIS**

Effects of cannabinoid treatment on Chagas disease pathogenesis: balancing inhibition of parasite invasion and immunosuppression  (full – 2013)  

Trans-sialidase Stimulates Eat Me Response from Epithelial Cells  (full – 2013)  

**CHARCOT-MARIE-TOOTH DISEASE** - an inherited neurological disorder

Charcot-Marie-Tooth Disease – Yvonne Poland  (anecdotal – 2012)  
http://www.hempoilhope.org/viewtopic.php?f=5&t=142
CHEMICAL COMPOSITION *

Compounds found in Cannabis Sativa (list - undated)
http://www.ukcia.org/research/cannabis-compounds.htm

Advantages of polypharmaceutical herbal cannabis compared to single ingredient, synthetic tetrahydrocannabinol (full - 2000)
http://cannabismovement.org/docs/cannabis%20terpenes.pdf

Development of a novel class of monocyclic and bicyclic alkyl amides that exhibit CB1 and CB2 cannabinoid receptor affinity and receptor activation. (abst – 2000)

Characterisation of cannabis plants phenotypes from illegal cultivations in Crete (abst - 2000)


Differential effects of medical marijuana based on strain and route of administration: A three-year observational study (full - 2001)
http://www.ukcia.org/research/DifferentialEffects/

Cannabis and Cannabis Extracts: Greater Than the Sum of Their Parts? (full - 2001)

The inheritance of chemical phenotype in Cannabis sativa L. (full - 2002)

Cannabis / Marijuana (Δ 9 -Tetrahydrocannabinol, THC) (full - 2002)


Composition of the essential oils and extracts of two populations of Cannabis sativa L. ssp. spontanea from Austria (full/ forum repost - 2003)
Cannabis: A source of useful pharma compounds neglected in India

A chemotaxonomic analysis of cannabinoid variation in Cannabis (Cannabaceae)
(full - 2004)  http://www.amjbot.org/cgi/content/full/91/6/966

The gene controlling marijuana psychoactivity: molecular cloning and heterologous
expression of Delta1-tetrahydrocannabinolic acid synthase from Cannabis sativa L.
(full – 2004)  http://www.jbc.org/content/279/38/39767.long

Comparative Proteomics of Cannabis sativa Plant Tissues  (full - 2004)

(+)-Cannabidiol analogues which bind cannabinoid receptors but exert peripheral activity

NMR assignments of the major cannabinoids and cannabiflavonoids isolated from
flowers of Cannabis sativa  (abst - 2004)

Hemp-seed and olive oils: their stability against oxidation and use in O/W emulsions.

Molecular characterization of tetrahydrocannabinolic acid synthase and cannabidiolic
acid synthase from Cannabis sativa  (abst – 2004)
http://abstracts.aspb.org/pb2004/public/P43/7047.html

Chemical constituents of marijuana: the complex mixture of natural cannabinoids.

Plant cannabinoids: a neglected pharmacological treasure trove  (full - 2005)

Tetrahydrocannabinolic acid synthase, the enzyme controlling marijuana psychoactivity,
is secreted into the storage cavity of the glandular trichomes.  (abst – 2005)

The arbuscular mycorrhizal fungus Glomus mosseae induces growth and metal
accumulation changes in Cannabis sativa L.  (abst – 2005)

Flavonoid glycosides and cannabinoids from the pollen of Cannabis sativa L.
(abst – 2005)

Pharmacokinetics and cannabinoid action using oral cannabis extract  (news - 2005)
Cannabis confusions (full - 2006)

Evaluation of herbal cannabis characteristics by medical users: a randomized trial (full - 2006)

Genetic Variation in Hemp and Marijuana (Cannabis sativa L.) According to Amplified Fragment Length Polymorphisms (full – 2006)

Alpha-linolenic acid content of commonly available nuts in Hangzhou. (abst – 2006)

DNA poly morphisms in the tetrahydrocannabinolic acid (THCA) synthase gene in "drug-type" and "fiber-type" Cannabis sativa L. (abst – 2006)


Identification and Characterization of Cannabinoids That Induce Cell Death through Mitochondrial Permeability Transition in Cannabis Leaf Cells (full – 2007)
http://www.jbc.org/content/282/28/20739.full?sid=a5db98db-fb96-4187-8790-57097bbe15c1

Cannabidiolic-acid synthase, the chemotype-determining enzyme in the fiber-type Cannabis sativa (full – 2007)

Letter: The herbal way - a response to Ethan Russo (letter – 2007)

Phytochemical and genetic analyses of ancient cannabis from Central Asia (full - 2008)

Characterization of Medicinal Properties of Cannabis sativa L. Roots (full - 2008)
http://archives.hempembassy.net/hempe/resources/blairvanpeltcannabisroot%20_NXPowerLite_.pdf

Essential oil of Cannabis sativa L. strains (full – 2008)
http://www.internationalhempassociation.org/jiha/jiha4208.html

Photosynthetic response of Cannabis sativa L. to variations in photosynthetic photon flux densities, temperature and CO2 conditions. (full – 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3550641/
Non-cannabinoid constituents from a high potency Cannabis sativa variety. (abst - 2008)  
http://www.unboundmedicine.com/medline/ebm/record/18774146/abstract/Non_cannabinoid_constituents_from_a_high_potency_Cannabis_sativa_variety

Cannabinoid Ester Constituents from High-Potency Cannabis sativa. (abst - 2008)  
http://www.unboundmedicine.com/medline/ebm/record/18303850/abstract/Cannabinoid_Ester_Constituents_from_High_Potency_Cannabis_sativa

Identification of candidate genes affecting Δ9-tetrahydrocannabinol biosynthesis in Cannabis sativa (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2736886/?tool=pmcentrez

Hydroxylation and Further Oxidation of Δ9-Tetrahydrocannabinol by Alkane-Degrading Bacteria (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2786519/?tool=pmcentrez

http://www.patentstorm.us/applications/20090324797/fulltext.html

Effects of Gibberellic Acid on Primary Terpenoids and Delta-Tetrahydrocannabinol in Cannabis sativa at Flowering Stage. (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19522814/abstract/Effects_of_Gibberellic_Acid_on_Primary_Terpenoids_and_Delta_Tetrahydrocannabinol_in_Cannabis_sativa_at_Flowering_Stage


The effect of ultraviolet radiation on the accumulation of medicinal compounds in plants. (abst – 2009)  

A qualitative and quantitative HPTLC densitometry method for the analysis of cannabinoids in Cannabis sativa L. (abst - 2009)  

Innovative development and validation of an HPLC/DAD method for the qualitative and quantitative determination of major cannabinoids in cannabis plant material (abst - 2009)  

Δ9-Tetrahydrocannabinol content in cannabis samples seized in Novi Sad during 2008 (full – 2010)  
http://www.shd.org.rs/JSCS/Vol75/No7/02_4595_4015.pdf

In silicio expression analysis of PKS genes isolated from Cannabis sativa L. (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3036156/?tool=pubmed
QUALITY OF HEMP SEED OIL DEPENDING ON ITS OBTAINING


The results of an experimental indoor hydroponic Cannabis growing study, using the 'Screen of Green' (ScrOG) method-Yield, tetrahydrocannabinol (THC) and DNA analysis. (abst – 2010) http://www.ncbi.nlm.nih.gov/pubmed/20462712


The cannabinoid type-1 receptor carboxyl-terminus, more than just a tail. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3055937/pdf/nihms267227.pdf

Taming THC: potential cannabis synergy and phytocannabinoid-terpenoid entourage effects. (full - 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165946/


Bioactive Prenyllogous Cannabinoid from Fiber Hemp (Cannabis sativa). (abst - 2011)  

Cadmium Tolerance and Bioaccumulation of 18 Hemp Accessions. (abst – 2011)  

Cannabinoids: occurrence and medicinal chemistry. (abst – 2011)  
http://www.unboundmedicine.com/medline/ebn/record/21254969/abstract/Cannabinoids:_occurrence_and_medical_chemistry

Cannabis profiling based on its elemental composition--is it possible? (abst – 2011)  
http://marijuana.researchtoday.net/archive/8/9/4858.htm

Variations in Photosynthesis, Transpiration, Water Use and Cannabinoid Contents in Field Grown Drug Type Varieties of Cannabis sativa L. (abst – 2011)  

The Effect of Electrical Lighting Power and Irradiance on Indoor-Grown Cannabis Potency and Yield. (abst – 2011)  

A real-time PCR assay for the relative quantification of the tetrahydrocannabinolic acid (THCA) synthase gene in herbal Cannabis samples (abst – 2011)  

VARIATIONS IN TERPENE PROFILES OF DIFFERENT STRAINS OF CANNABIS SATIVA L. (abst – 2011)  
http://www.actahort.org/members/showpdf?booknrarnr=925_15

Analysis of Cannabinoids from Leaves of Ancient Cannabis sativa Found in Yanghai Xinjiang, China (abst – 2011)  

Terpenes (news – 2011)  
http://targetedcannabinoidtherapy.com/terpenes-2

Cannabis Sequencing Study Explores Differences Between Marijuana, Hemp Producing Plants (news – 2011) (needs registration)  
http://www.genomeweb.com/sequencing/cannabis-sequencing-study-explores-differences-between-marijuana-hemp-producing

The cannabis genome: How hemp got high (news – 2011)  

10 Questions To Ask Your Cannabis Scientist (news - 2011)  
http://www.freedomisgreen.com/10-questions-to-ask-your-cannabis-scientist/

The Importance Of Matured Cannabis (news – 2011)  
http://www.clear-uk.org/the-importance-of-matured-cannabis/

Chocolate & marijuana: chemical cousins (news – 2011)
CBD Tops The Chart (news - 2011)  

Identification of olivetolic acid cyclase from Cannabis sativa reveals a unique catalytic route to plant polyketides. (full – 2012)  
http://www.pnas.org/content/early/2012/07/10/1200330109.long

Is today's marijuana more potent simply because it's fresher? (full – 2012)  

Isolation and characterization of some phytochemicals from Indian traditional plants. (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3529893/

Terpenoid biosynthesis in trichomes—current status and future opportunities (full – 2012)  

Hemp Biology - Industrial Hemp vs. Marijuana (article – 2012)  

Hemp Species (article – 2012)  
http://www.innvista.com/health/foods/hemp/hemp-species/

Cannabis Strains: Do Cannabis Strains Differ? (article – 2012)  

Proteomic profiling of hempseed proteins from Cheungsam. (abst - 2012)  

The hexanoyl-CoA precursor for cannabinoid biosynthesis is formed by an acyl-activating enzyme in Cannabis sativa trichomes. (abst – 2012)  

Cannabis - from cultivar to chemovar. (abst – 2012)  

Heat Exposure of Cannabis sativa Extracts Affects the Pharmacokinetic and Metabolic Profile in Healthy Male Subjects. (abst – 2012)  

Chemiluminescence detection of cannabinoids and related compounds with acidic potassium permanganate. (abst – 2012)  

Structure and Function of Δ1-Tetrahydrocannabinolic Acid (THCA) Synthase, the Enzyme Controlling the Psychoactivity of Cannabis sativa. (abst - 2012)  


U of S researchers discover cannabis 'pharma factory' (news – 2012) http://www.sciencecodex.com/u_of_s_researchers_discover_cannabis_pharma_factory-95000


Cannabis, a complex plant: different compounds and different effects on individuals (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3736954/


Early Phenylpropanoid Biosynthetic Steps in Cannabis sativa: Link between Genes and Metabolites (link to PDF – 2013) http://www.mdpi.com/1422-0067/14/7/13626

Understanding the Molecular Aspects of Tetrahydrocannabinol and Cannabidiol as Antioxidants (link to PDF - 2013) http://www.mdpi.com/1420-3049/18/10/12663


Young cannabis confirmed: Cannabinoid content discriminates between drug and hemp forms of cannabis seedlings (news – 2013)

Cannabis fractions: Separating cannabinoids from terpenoids (news – 2013)


CHEMOTHERAPY *

Therapeutic Aspects of Cannabis and Cannabinoids (full - 2001)

Cannabinoids for control of chemotherapy induced nausea and vomiting: quantitative systematic review (full - 2001)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC34325/?tool=pubmed


Different views on the association between cannabinoids and cancer (abst - 2006)


2nd synthetic marijuana drug OK'd for chemo effects (news – 2006)

Cesamet, THC and chemotherapy (news – 2006)
Activation of cannabinoid CB1 and CB2 receptors suppresses neuropathic nociception evoked by the chemotherapeutic agent vincristine in rats. (full – 2007)


Efficacy of dronabinol alone and in combination with ondansetron versus ondansetron alone for delayed chemotherapy-induced nausea and vomiting. (abst - 2007)

Pot Compound May Offer “Non-Toxic” Alternative To Chemotherapy (news – 2007)

Pharmacological Inhibition of CB1 Cannabinoid Receptor Protects Against Doxorubicin-Induced Cardiotoxicity (full - 2008)

Oral nabilone capsules in the treatment of chemotherapy-induced nausea and vomiting and pain. (abst - 2008)

Pharmacological synergism between cannabinoids and paclitaxel in gastric cancer cell lines. (abst – 2009)

Efficacy of Crude Marijuana and Synthetic Delta-9-Tetrahydrocannabinol as Treatment for Chemotherapy-Induced Nausea and Vomiting: A Systematic Literature Review. (abst - 2009)

EFFECTIVENESS OF A CANNABINOID AGONIST TO MODIFY THE ALTERED MECHANOSENSITIVITY OF A-DELTA FIBERS AFTER ANTITUMORAL TREATMENT. (abst – 2009)

Medical Marijuana and Chemotherapy (news – 2009)

Medical Marijuana and Radiation Therapy  (news – 2009)

Cannabinoid-2 receptor limits inflammation, oxidative/nitrosative stress, and cell death in nephropathy. (full – 2010)

Preliminary efficacy and safety of an oromucosal standardized cannabis extract in chemotherapy-induced nausea and vomiting (full - 2010)
Regulation of nausea and vomiting by cannabinoids  (full - 2010)

Mechanisms of Broad-Spectemetic Efficacy of Cannabinoids against Chemotherapy-Induced Acute and Delayed Vomiting  (link to PDF– 2010)
http://www.mdpi.com/1424-8247/3/9/2930

Cannabidiol Attenuates Cisplatin-Induced Nephrotoxicity by Decreasing Oxidative/Nitrosative Stress, Inflammation, and Cell Death (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2682269/

Brief Report: Cannabidiol Prevents the Development of Cold and Mechanical Allodynia in Paclitaxel-Treated Female C57Bl6 Mice.  (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3249239/


CBD: Marijuana Compound Has No High, But Relieves Pain  (news – 2011)


Cannabinoid type-1 receptor reduces pain and neurotoxicity produced by chemotherapy. (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3366638/

The maintenance of cisplatin- and paclitaxel-induced mechanical and cold allodynia is suppressed by cannabinoid CB2 receptor activation and independent of CXCR4 signaling in models of chemotherapy-induced peripheral neuropathy (full – 2012)  http://www.molecularpain.com/content/8/1/71
Therapeutic utility of palmitoylethanolamide in the treatment of neuropathic pain associated with various pathological conditions: a case series  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3500919/

Prevention of Paclitaxel-Induced Neuropathy Through Activation of the Central Cannabinoid Type 2 Receptor System  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3334436/

Cannabinoids in the treatment of chemotherapy-induced nausea and vomiting.  (abst – 2012)  

Alterations in endocannabinoid tone following chemotherapy-induced peripheral neuropathy: effects of endocannabinoid deactivation inhibitors targeting fatty-acid amide hydrolase and monoacylglycerol lipase in comparison to reference analgesics following cisplatin treatment.  (abst – 2012)  

New Study Says Marijuana Could Stop Cancer from Spreading  (news – 2012)  
http://www.opposingviews.com/i/society/drug-law/new-study-adds-research-showing-marijuana-could-stop-cancer

Reefer tokin' seniors in South Florida see pain go up in smoke  (news – 2012)  

Cannabis as Painkiller  (news – 2012)  
http://www.sciencedaily.com/releases/2012/08/120807101232.htm


β-Caryophyllene ameliorates cisplatin-induced nephrotoxicity in a cannabinoid 2 receptor-dependent manner  (abst – 2013)  
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/704.3?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad

Additive antiemetic efficacy of Δ9-THC with vanilloid TRPV1 receptor agonists in the least shrew (Cryptotis parva)  (abst - 2013)  
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1093.20?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad

Cardioprotective effect of cannabidiol in rats exposed to doxorubicin toxicity.  (abst – 2013)  

A Double-Blind, Placebo-Controlled, Crossover Pilot Trial With Extension Using an Oral Mucosal Cannabinoid Extract for Treatment of Chemotherapy-Induced Neuropathic Pain.  (abst – 2013)  

Effect of low doses of cannabidiolic acid and ondansetron on LiCl-induced conditioned gaping (a model of nausea-induced behaviour) in rats.  (abst – 2013)  
Cannabidiol inhibits paclitaxel-induced neuropathic pain through 5-HT1A receptors without diminishing nervous system function or chemotherapy efficacy.  (abst – 2013)  

Additive antiemetic efficacy of low-doses of the cannabinoid CB1/2 receptor agonist Δ9-THC with ultralow-doses of the vanilloid TRPV1 receptor agonist resiniferatoxin in the least shrew (Cryptotis parva).  (abst – 2013)  

Suppression of lithium chloride-induced conditioned gaping (a model of nausea-induced behaviour) in rats (using the taste reactivity test) with metoclopramide is enhanced by cannabidiolic acid.  (abst – 2013)  

The effects of cannabidiol and its synergism with bortezomib in multiple myeloma cell lines. A role for transient receptor potential vanilloid type-2  (abst – 2013)  

Spinal gene expression profiling and pathways analysis of a CB2 agonist (MDA7)-targeted prevention of paclitaxel-induced neuropathy.  (abst – 2013)  

Mother Investigated After Opting For Marijuana Over Chemotherapy  (news – 2013)  

**CHILDREN/ YOUNG ADULTS * **

Nutrition for Moms-to-be!  (article - undated)  

Cannabis use falls among Dutch youth  (abst - 2000)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1118548/?tool=pubmed

Variation in youthful risks of progression from alcohol and tobacco to marijuana and to hard drugs across generations.  (full – 2001)  

Maternal use of cannabis and pregnancy outcome.  (abst – 2002)  

Endocannabinoids in the central nervous system--an overview.  (abst – 2002)  

Recipe For Trouble  (news/anecdotal - 2002)  
http://www.cbsnews.com/stories/2002/03/05/48hours/main503022.shtml

Comparison of meconium and neonatal hair analysis for detection of gestational exposure to drugs of abuse  (full - 2003)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1721515/pdf/v088p00F98.pdf

Experiences with THC-treatment in children and adolescents  (abst - 2003)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=80


Effect of maternal under-nutrition on pup body weight and hypothalamic endocannabinoid levels.  (abst – 2003)  

Aetiology - Review: current evidence does not show a strong causal relation between the use of cannabis in young people and psychosocial harm  (full - 2004)  
http://ebmh.bmj.com/content/7/4/119.long

Medical marijuana: a surprising solution to severe morning sickness  (news - 2004)  
http://www.mothering.com/community/a/medical-marijuana-a-surprising-solution-to-severe-morning-sickness

Endocannabinoids and food intake: newborn suckling and appetite regulation in adulthood.  (full/ forum repost - 2005)  

The cannabinoid system and its importance in the perinatal period  (abst – 2005)  

Treatment with CBD in oily solution of drug-resistant paediatric epilepsies.  (abst - 2005)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=173&&search_pattern=EPILEPSY

STUDENT POT USE DECLINES IN CALIFORNIA FOLLOWING APPROVAL OF PROPOSITION 215  (news – 2005)  
http://www.canorml.org/prop/studentMJuse.html

Teens in Recovery Drop Drugs but Add Pounds  (news – 2005)  
Teen Drug Use Has Changed Little Since 1970s: Genetics, environment, nature of drug determine number of new users who become dependent. (news – 2005)  

Endocannabinoids potently protect the newborn brain against AMPA-kainate receptor-mediated excitotoxic damage  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1751782/?tool=pmcentrez

A preliminary DTI study showing no brain structural change associated with adolescent cannabis use  (full - 2006)  

Effects of Alcohol and Combined Marijuana and Alcohol Use During Adolescence on Hippocampal Volume and Asymmetry  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1821342/?tool=pubmed

Determination of the prevalence of drug misuse by meconium analysis  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2672735/?tool=pubmed

The Mental Health Risks of Adolescent Cannabis Use  (full - 2006)  


Moderate cannabis use not harmful to the brain of adolescents, M R I study finds  (news - 2006)  

Oily fish makes 'babies brainier'  (news - 2006)  (hemp seed- at the end)  
http://news.bbc.co.uk/2/hi/health/4631006.stm

Cannabis is a First-Line Treatment for Childhood Mental Disorders  (news - 2006)  
http://www.counterpunch.org/2006/07/08/cannabis-is-a-first-line-treatment-for-childhood-mental-disorders/

Dreher's Jamaican Pregnancy Study  (news - 2006)  
http://www.november.org/stayinfo/breaking06/DreherStudy.html

No 'Smoking' Gun: Research Indicates Teen Marijuana Use Does Not Predict Drug, Alcohol Abuse  (news - 2006)  
http://www.sciencedaily.com/releases/2006/12/061204123422.htm

Some go without a cigarette: characteristics of cannabis users who have never smoked tobacco.  (full - 2007)  
http://archpedi.ama-assn.org/cgi/content/full/161/11/1042
Illicit Drug Use in Young Adults and Subsequent Decline in General Health: The Coronary Artery Risk Development in Young Adults (CARDIA) Study  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1885466/?tool=pmcentrez


No evidence for an involvement of variants in the cannabinoid receptor gene (CNR1) in obesity in German children and adolescents.  (abst – 2007)

Teens who use only cannabis appear to function better than those who also use tobacco  (news - 2007)  http://www.news-medical.net/news/2007/11/06/32262.aspx


Swiss Study Finds Marijuana Use Alone May Benefit Some Teens  (news - 2007)  http://www.foxnews.com/story/0,2933,308258,00.html

Are Cigarettes More of a Drag on Teens than Marijuana?  (news - 2007)  http://www.scientificamerican.com/article.cfm?id=are-cigarettes-more-of-a


Volumetric MRI Study of Brain in Children With Intrauterine Exposure to Cocaine, Alcohol, Tobacco, and Marijuana  (full - 2008)

The association between anxiety and alcohol versus cannabis abuse disorders among adolescents in primary care settings  (full - 2008)  http://fampra.oxfordjournals.org/cgi/content/full/25/5/321


Smokers of Cigarettes and Marijuana Fare Worse  
(news – 2008)  

Maternal tobacco, cannabis and alcohol use during pregnancy and risk of adolescent psychotic symptoms in offspring.  
(full - 2009)  
http://bja.rcpsych.org/cgi/content/full/195/4/294

White Matter Integrity in Adolescents with Histories of Marijuana Use and Binge Drinking.  
(full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2762024/

Decrease in Adolescent Cannabis Use From 2002 to 2006 and Links to Evenings Out With Friends in 31 European and North American Countries and Regions  
(full - 2009)  

Cannabis and tobacco use: where are the boundaries? A qualitative study on cannabis consumption modes among adolescents.  
(full - 2009)  
http://her.oxfordjournals.org/content/25/1/74.long

The influence of substance use on adolescent brain development.  
(full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2827693/?tool=pubmed

Relief-oriented use of marijuana by teens  
(full - 2009)  

(abst - 2009)  

Cannabis use and destructive periodontal diseases among adolescents  
(abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19236530/abstract/Cannabis_use_and_destructive_periodontal_diseases_among_adolescents

Urinary toxicological screening: Analytical interference between niflumic acid and cannabis.  
(abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/1971686/abstract/%5BUrinary_toxicological_screening:_Analytical_interference_between_niflumic_acid_and_cannabin_%5D

Accidental cannabis poisoning in children: experience of the Marseille poison center  
(abst – 2009)  

Is moderate substance use associated with altered executive functioning in a population-based sample of young adults?  
(abst - 2009)  
Long-term consequences of URB597 administration during adolescence on cannabinoid CB1 receptor binding in brain areas. (abst – 2009)  

Maternal Marijuana use not Associated with Psychotic Symptoms, but Alcohol is (news - 2009)  

The use and misuse of alcohol and marijuana can be traced to a common set of genes (news – 2009)  

Doctors recommend medical marijuana for minors with ADHD in California (news – 2009)  
http://www.nydailynews.com/life-style/health/doctors-recommend-medical-marijuana-minors-adhd-california-article-1.419585#ixzz2Ui5xXiRZ

Prescribing marijuana to kids (news – 2009)  
http://theweek.com/article/index/103325/prescribing-marijuana-to-kids

Herbal Remedy: Teens Often Use Cannabis For Relief, Not Recreation, Study Finds (news - 2009)  

Cannabis use among teens is down - perhaps not everyone got the memo (news - 2009)  

Why I Give My 9-year-old Pot (news/ anecdotal - 2009)  

Why I Give My 9-Year-Old Pot, Part II (news - 2009)  

Uni-Morbid and Co-Occurring Marijuana and Tobacco Use: Examination of Concurrent Associations with Negative Mood States (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2861285/?tool=pubmed

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2917192/?tool=pubmed

Learning and memory performances in adolescent users of alcohol and marijuana: interactive effects. (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2965487/

PTSD contributes to teen and young adult cannabis use disorders. (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2784238/?tool=pubmed

Adolescent cannabis use increases risk for cocaine-induced paranoia. (full - 2010)  
Cannabis withdrawal severity and short-term course among cannabis-dependent adolescent and young adult inpatients (abst - 2010) [link](http://www.unboundmedicine.com/medline/ebm/record/19783382/abstract/Cannabis_withdrawal_severity_and_short_term_course_among_cannabis_dependent_adolescent_and_young_adult_inpatients)

The cannabinoid WIN55212-2 promotes neural repair after neonatal hypoxia-ischemia. (abst - 2010) [link](http://www.ncbi.nlm.nih.gov/pubmed/21115947)

Cannabis Use and Obesity and Young Adults (abst - 2010) [link](http://informahealthcare.com/doi/abs/10.3109/00952990.2010.500438)


A Life-course Perspective on the "Gateway Hypothesis". (abst – 2010) [link](http://www.ncbi.nlm.nih.gov/pubmed/20943588)

Dr. Jean Talleyrand Says Marijuana Safer than Ritalin for ADHD Teens (news – 2010) [link](http://spotlight.vitals.com/2010/01/dr-jean-talleyrand-says-marijuana-safer-than-ritalin-for-adhd-teens/)

12 Year Olds More Likely to Use Potentially Deadly Inhalants Than Cigarettes or Marijuana (news - 2010) [link](http://www.sciencedaily.com/releases/2010/03/100312144534.htm)

Teen Pot Smoking Won't Lead to Other Drugs as Adults (news - 2010) [link](http://www.webmd.com/parenting/news/20100902/teen-pot-smoking-wont-lead-to-other-drugs-as-adults)

Marijuana May Offset Alcohol-Induced Cognitive Impairment Among Teens (news – 2010) [link](http://www.norml.org/index.cfm?Group_ID=8378)

Pregnant Women Smoking Pot Could Reduce Infant Mortality (news - 2010) [link](http://www.opposingviews.com/i/pregnant-women-smoking-pot-could-reduce-infant-mortality)

Marijuana is helping my 9-year-old (news/anecdotal - 2010) [link](http://theweek.com/article/index/202109/Marijuana_is_helping_my_9yearold)

Why I Give My 9-Year-Old Pot, Part 3 (news/anecdotal - 2010) [link](http://www.slate.com/id/2251174/)
CNR2 functional variant (Q63R) influences childhood immune thrombocytopenic purpura. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3232275/

History of cannabis use is not associated with alterations in striatal dopamine D2/D3 receptor availability. (full – 2011) http://jop.sagepub.com/content/26/1/144.long

The social contagion effect of marijuana use among adolescents. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3018468/?tool=pubmed


Early exposure to Environmental enrichment alters the expression of genes of the endocannabinoid system (abst – 2011) http://www.unboundmedicine.com/medline/ebm/record/21419109/abstract/Early_exposure_to_Environmental_enrichment_alters_the_expression_of_genes_of_the_endocannabinoid_system


Accidental cannabis poisoning in children: report of four cases in a tertiary care center from southern Spain (abst – 2011) http://www.unboundmedicine.com/medline/ebm/record/21283933/abstract/%5BAccidental_cannabis_poisoning_in_children:_report_of_four_cases_in_a_ternary_care_center_from_southern_Spain%5D


What An Expectant Mother Eats Affects Children’s Psychology in Later Life
The Kids Are All Right, Even if Their Parents Grow Pot  (news – 2011)  

Legalizing Medical Marijuana Does Not Increase Use Among Youth, Study Suggests  (news - 2011)  

Medical marijuana laws creating pot fiends? What study shows  (news - 2011)  

Cocaine, Opiate, and Cannabinoid Infant Mortality Study  (news – 2011)  

'Fake Marijuana' May Trigger Heart Trouble in Teens  (news – 2011)  

Why I Give My Autistic Son Pot, Part 4  (news – 2011)  
http://www.slate.com/id/2294072/?from=rss

Are smart kids more likely to use drugs?  (news – 2011)  

High Childhood IQ Linked to Subsequent Illicit Drug Use, Research Suggests  (news – 2011)  

Study: Legal Medical Marijuana Doesn't Encourage Kids to Smoke More Pot  (news – 2011)  
http://news.gather.com/viewArticle.action?articleId=28147980744307

Does pot possession equal child neglect?  (news – 2011)  

What Are the Benefits of Hemp Seeds for Toddlers?  (news – 2011)  

Father: Medical marijuana eased pain of my cancer-battling son  (anecdotal – 2011)  

Acute Intoxication Caused by a Synthetic Cannabinoid in Two Adolescents  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3470439/

Cannabinoid receptor type 2 functional variant influences liver damage in children with non-alcoholic Fatty liver disease.  (full – 2012)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0042259
The Interplay between Parental Monitoring and the Dopamine D4 Receptor Gene in Adolescent Cannabis Use (full – 2012)  

Adolescent Exposure of JWH-018 “Spice” Produces Subtle Effects on Learning and Memory Performance in Adulthood (full – 2012)  
http://file.scirp.org/Html/2-3900080_19505.htm

Prevalence and co-use of marijuana among young adult cigarette smokers: An anonymous online national survey (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3507655/

A Double-Blind Randomized Controlled Trial of N-Acetylcysteine in Cannabis-Dependent Adolescents. (full – 2012)  
http://ajp.psychiatryonline.org/article.aspx?articleID=1184217&resultClick=1

Unresolved Discrepancies between Cannabinoid Test Results for Infant Urine (full – 2012)  
http://www.clinchem.org/content/58/9/1364.full

Acute cannabis poisoning in a 10-month-old infant. (abst – 2012)  

Do medical marijuana laws increase marijuana use? Replication study and extension. (abst – 2012)  


The combined effects of parental divorce and parental history of depression on cannabis use in young adults in France. (abst – 2012)  


Adolescent Synthetic Cannabinoid Exposures Reported to Texas Poison Centers. (abst – 2012)  

Childhood Obesity and the Role of Dopamine D2 Receptor and Cannabinoid Receptor-1 Gene Polymorphisms. (abst – 2012)  

'It's just a social thing': Drug use, friendship and borderwork among marginalized young people. (abst – 2012)  

The changing demographic of blunt smokers across birth cohorts. (abst – 2012)  

Sensation-seeking genes and physical activity in youth (abst – 2012)
Cannabis For Infant's Brain Tumor, Doctor Calls Child "A Miracle Baby" (news – 2012)
http://www.huffingtonpost.com/2012/12/01/cannabis-for-infants-brai_n_2224898.html

Strange Reason for Baby's Positive Pot Test Found (news – 2012)
http://ca.news.yahoo.com/strange-reason-babys-positive-pot-test-found-120630522.html

Medical marijuana legalization won't boost teen pot use, study finds (news – 2012)
http://www.cbsnews.com/8301-504763_162-57456999-10391704/medical-marijuana...

Marijuana’s 'historic' surge among teens: 4 theories (news – 2012)
http://theweek.com/article/index/222617/marijuanarsquos-historic-surge-among-teens-4-theories

Researchers study neuroprotective properties in cannabis (news - 2012)
http://www.foxnews.com/health/2012/03/20/researchers-study-neuroprotective-properties-in-cannabis/

How Medical Marijuana Is Giving a Six-Year-Old Boy New Life (news – 2012)
http://thinkprogress.org/justice/2012/09/18/854811/how-medical-marijuana-is-giving-a-six-year-old-boy-new-life/?mobile=nc

Teen Marijuana Use May Show No Effect On Brain Tissue, Unlike Alcohol, Study Finds (news – 2012)
http://www.huffingtonpost.com/2012/12/21/teens-marijuana-brain-tissue-alcohol_n_2331779.html

Cannabinoids, Breast Milk, and Development (news – 2012)

Is Medical Marijuana Safe for Children? (news – 2012)

Why K2 is Pimps' Choice for Controlling Young Sex Workers (news – 2012)

Cannabis extract treatment for terminal acute lymphoblastic leukemia with a Philadelphia chromosome mutation (full – 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3901602/

Identity Formation, Marijuana and “The Self”: A Study of Cannabis Normalization among University Students (full – 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3847659/

The Interplay between Parental Monitoring and the Dopamine D4 Receptor Gene in Adolescent Cannabis Use (full – 2013)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0049432

Higher rates of adolescent substance use in child welfare versus community populations in the United States. (link to PDF - 2013)
Taking Note of Over-the-Counter Remedies for Adolescents With Cannabis Dependence (editorial – 2013)  
http://ajp.psychiatryonline.org/article.aspx?articleid=1268260&resultClick=3

Anticipated Medical Effects on Children From Legalization of Marijuana in Colorado and Washington State (abst + 1st page – 2013)  
http://archpedi.jamanetwork.com/article.aspx?articleid=1691419&resultClick=3

Cannabinoid CB2 receptor gene (CNR2) polymorphism is associated with chronic childhood immune thrombocytopenia in Egypt. (abst – 2013)  

Correlations between cannabis use and IQ change in the Dunedin cohort are consistent with confounding from socioeconomic status. (abst – 2013)  


The role of child protection in cannabis grow-operations. (abst – 2013)  

To What Extent Does Adding Tobacco to Cannabis Expose Young Users to Nicotine? (abst – 2013)  

Computer and therapist based brief interventions among cannabis-using adolescents presenting to primary care: One year outcomes. (abst – 2013)  

Effects of State Medical Marijuana Laws on Adolescent Marijuana Use. (abst – 2013)  

Impact of ADHD and cannabis use on executive functioning in young adults. (abst – 2013)  

Methadone and illegal drugs in hair from children with parents in maintenance treatment or suspected for drug abuse in a German community. (abst – 2013)  

Do societal wealth, family affluence and gender account for trends in adolescent cannabis use? A 30 country cross-national study. (abst – 2013)  

Cannabis withdrawal syndrome: An important diagnostic consideration in adolescents presenting with disordered eating. (abst – 2013)  
Testing bidirectional effects between cannabis use and depressive symptoms: moderation by the serotonin transporter gene  (abst – 2013)


Legalization of medical marijuana and marijuana use among youths.  (abst – 2013)

Link between pot smoking and IQ drop challenged  (news – 2013)

Study: Depenalizing Drug Possession Offenses Associated With Lower Drug Consumption Rates Among Young People  (news – 2013)

Montreal hospital changes drug-testing protocol after baby's seizure  (news – 2013)

Is Medical Marijuana Safe For Children and Adolescents?  (news - 2013)
http://www.wakingtimes.com/2013/05/27/is-medical-marijuana-safe-for-children-and-adolescents/

Can Medical Cannabis Stop The ADHD Epidemic?  (news - 2013)
http://www.wakingtimes.com/2013/04/11/can-medical-cannabis-stop-the-adhd-epidemic/

Parents of epileptic N.J. tot lament medical marijuana delays  (news – 2013)

Medical Marijuana for Kids? Some Praise Results While Others Worry About Risks  (news – 2013)  http://www.cnbc.com/id/100876423

Legalise marijuana to deter teen binge drinking?  (news – 2013)

Maine Mom Fights Son’s Autistic Episodes With Marinol  (news – 2013)

Charlotte’s Web Of Suffering: Six-Year-Old Colorado Girl With Dravet Syndrome Finds Relief From Marijuana High In CBD  (news – 2013)

Toronto family hopes for access to controversial treatment to cure baby’s rare epilepsy  (news – 2013)
Dad defends decision to give 7-year-old daughter with leukemia marijuana for the pain (news – 2013)

Buying Pot For My 11-Year-Old (news – 2013)
http://www.huffingtonpost.com/suzanne-leigh/buying-pot-for-my-11-year-old_b_3538543.html

Marijuana use on the rise among young adults, fiftysomethings (news – 2013)

Cannabis use among teens is on the rise in some developing countries (news – 2013)
http://www.medicalnewstoday.com/releases/269017.php

Mother Investigated After Opting For Marijuana Over Chemotherapy (news – 2013)

Families of children with epilepsy moving to Colorado, drawn by success of marijuana oil (news – 2013)


Families migrate to Colorado for marijuana miracle (news – 2013)

Teen Marijuana Use Hasn't Exploded Amid Boom in Legalization Support, Drug Survey Finds (news – 2013)

Survey: Teens using synthetic drugs less often (news - 2013)
http://news.yahoo.com/survey-teens-using-synthetic-drugs-less-often-050311100.html;_ylt=AwrSyCRcGbJSljYA1CTQtDMD

Parents losing custody for medical-marijuana use (news – 2013)

Harvard: Marijuana Doesn’t Cause Schizophrenia (news – 2013)
Smoking "spice" associated with stroke in healthy, young adults  (news – 2013)
http://www.medicalnewstoday.com/releases/269132.php

4 Myths About Marijuana Addiction  (news – 2013)
http://www.leafscience.com/2013/11/28/4-myths-marijuana-addiction/

Parents treat self-harming child with medical marijuana  (news / anecdotal - 2013)

Childhood and current ADHD symptom dimensions are associated with more severe cannabis outcomes in college students.  (abst – 2014)

Prevalence and correlates of alcohol and cannabis use disorders in the United States: Results from the national longitudinal study of adolescent health.  (abst – 2014)


**CHOLELRA** *

An endogenous cannabinoid tone attenuates cholera toxin-induced fluid accumulation in mice.  (full – 2003)
http://www.gastrojournal.org/article/S0016-5085%2803%2900892-8/fulltext

Marijuana for cholera therapy  (letter – 2005)
https://www.cell.com/trends/pharmacological-sciences/fulltext/S0165-6147%2805%2900266-X

**CHOLESTEROL** *

Role of activated endocannabinoid system in regulation of cellular cholesterol metabolism in macrophages  (full – 2008)
http://cardiovascres.oxfordjournals.org/content/81/4/805.full?sid=7d2438c4-a727-410f-870d-4a971695b4f


Cannabis plant extracts could potentially form the basic ingredients for a market-leading diabetes drug  (news – 2009)  http://www.thefreelibrary.com/Cannabis+plant+extracts+could+potentially+form+the+basic+ingredients+-a0202701009

A common CNR1 (cannabinoid receptor 1) haplotype attenuates the decrease in HDL cholesterol that typically accompanies weight gain.  (full – 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3013130/?tool=pubmed


Antihyperglycemic and hypolipidemic effects of α, β-amyrin, a triterpenoid mixture from Protium heptaphyllum in mice  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3484111/

Excess of the endocannabinoid anandamide during lactation induces overweight, fat accumulation and insulin resistance in adult mice  (full – 2012)  http://www.dmsjournal.com/content/4/1/35

Interleukin-1β causes anxiety by interacting with the endocannabinoid system.  (full – 2012)  http://www.jneurosci.org/content/32/40/13896.long

CNR1 genotype influences HDL-cholesterol response to change in dietary fat intake.
Rimonabant improves obesity but not the overall cardiovascular risk and quality of life; results from CARDIO-REDUSE (CARDiometabolic Risk reDuctIOOn by Rimonabant: the Effectiveness in Daily practice and its USE)  (full – 2012)  
http://fampra.oxfordjournals.org/content/29/5/521.full

How marijuana could help cure obesity-related diseases  (news – 2012)  

Treatment with CB 2 Agonist JWH-133 Reduces Histological Features Associated with Erectile Dysfunction in Hypercholesterolemic Mice.  (full – 2013)  
http://www.hindawi.com/journals/cdi/2013/263846/

http://www.patentstorm.us/applications/20130245110/fulltext.html

GPR55 and its Interaction with Membrane Lipids: Comparison with Other Endocannabinoid-Binding Receptors  (link to PDF – 2013)  
http://www.eurekaselect.com/105678/article

CNR1 Gene and Risk of the Metabolic Syndrome in Patients With Schizophrenia.  (abst – 2013)  

A common functional promoter variant links CNR1 gene expression to HDL cholesterol level.  (abst – 2013)  

Role of Genetic Variation in the Cannabinoid Receptor Gene (CNR1) (G1359A Polymorphism) on Weight Loss and Cardiovascular Risk Factors After Liraglutide Treatment in Obese Patients With Diabetes Mellitus Type 2.  (abst – 2013)  

Effects of C358A polymorphism of the endocannabinoid degrading enzyme fatty acid amide hydrolase (FAAH) on weight loss, adipocytokines levels, and insulin resistance after a high polyunsaturated fat diet in obese patients.  (abst – 2013)  

CHRONIC CHILDHOOD IMMUNE THROMBOCYTOPENIA

CNR2 functional variant (Q63R) influences childhood immune thrombocytopenic purpura.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3232275/


**CHRONIC FATIGUE SYNDROME/ MYALGIC ENCEPHALOMYELITIS** *

Myalgic Encephalomyelitis by Anonymous (anecdotal – undated) http://www.rxmarijuana.com/shared_comments/Myalgic_Encephalomyelitis.htm


**COGNITIVE EFFECTS** - see IQ

**COLITIS** * - also see BOWEL DISORDERS

Agonists of cannabinoid receptor 1 and 2 inhibit experimental colitis induced by oil of mustard and by dextran sulfate sodium. (full – 2006) http://ajpgi.physiology.org/content/291/2/G364.long

Ulcerative colitis in AKR mice is attenuated by intraperitoneally administered anandamide. (full – 2008) http://www.jpp.krakow.pl/journal/archive/12_08/pdf/673_12_08_article.pdf


Cannabidiol, a safe and non-psychotropic ingredient of the marijuana plant Cannabis sativa, is protective in a murine model of colitis.  (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19690824/abstract/Cannabidiol_a_safe_and_non_psychotropic_ingredient_of_the_marijuana_plant_Cannabis_sativa_is_protective_in_a_murine_model_of_colitis

Cannabis for Ulcerative Colitis and Crohn's Disease treatment  (news - 2009)  

Medical Marijuana and Colitis  (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/132?ailment=colitis

The Cannabinoid 1 Receptor (CNR1) 1359 G/A Polymorphism Modulates Susceptibility to Ulcerative Colitis and the Phenotype in Crohn's Disease  (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2829088/?tool=pmcentrez

Mice lacking cannabinoid CB1-, CB2-receptors or both receptors show increased susceptibility to trinitrobenzene sulfonic acid (TNBS)-induced colitis.  (full – 2010)  
http://www.jpp.krakow.pl/journal/archive/02_10/pdf/89_02_10_article.pdf

The effects of Delta-tetrahydrocannabinol and cannabidiol alone and in combination on damage, inflammation and in vitro motility disturbances in rat colitis.  (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931570/?tool=pubmed

Naphthalen-1-yl-(4-pentyloxynaphthalen-1-yl)methanone (SAB378), a peripherally restricted cannabinoid CB1/CB2 receptor agonist, inhibits gastrointestinal motility but has no effect on experimental colitis in mice.  (full – 2010)  
http://jpet.aspetjournals.org/content/334/3/973.long

The atypical cannabinoid O-1602 protects against experimental colitis and inhibits neutrophil recruitment.  (abst – 2010)  

Cannabidiol Reduces Intestinal Inflammation through the Control of Neuroimmune Axis  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3232190/?tool=pubmed

Increasing endogenous 2-arachidonoylglycerol levels counteracts colitis and related systemic inflammation.  (full – 2011)  
http://www.fasebj.org/content/25/8/2711.long

β-Caryophyllene inhibits dextran sulfate sodium-induced colitis in mice through CB2 receptor activation and PPARγ pathway.  (abst – 2011)  

Alternative targets within the endocannabinoid system for future treatment of gastrointestinal diseases.  (abst – 2011)  

Cannabinoid receptor-2 (CB2) agonist ameliorates colitis in IL-10(-/-) mice by attenuating the activation of T cells and promoting their apoptosis.  (abst – 2011)
The JNK inhibitor XG-102 protects against TNBS-induced colitis. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3302790/


Cannabinoid CB2 receptor activation attenuates cytokine-evoked mucosal damage in a human colonic explant model without changing epithelial permeability.  (abst – 2013)  


Interleukin 17A evoked mucosal damage is attenuated by cannabidiol and anandamide in a human colonic explant model.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24238999


**COPD/ CHRONIC OBSTRUCTIVE PULMONARY DISEASE** *


Researchers to test if cannabis ingredient can help COPD patients  (news - 2005)  http://www.thehempire.com/index.php/cannabis/news/researchers_to_test_if_cannabis_ingredient_can_help_copd_patients


No Decrease in Pulmonary Function Associated with Long-Term Cannabis Smoking, Study Says  (news - 2007)  http://www.illinoisnorml.org/content/view/366/27/
Marijuana and chronic obstructive lung disease: a population-based study (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2665947/?tool=pmcentrez

http://www.patentstorm.us/applications/20090197941/fulltext.html

Does smoking marijuana increase the risk of chronic obstructive pulmonary disease?  
(article - 2009)  

Smoking Pot, Cigarettes Ups COPD Risk  
(news - 2009)  

Effects of cannabis on lung function: a population-based cohort study.  
(full - 2010)  
http://erj.ersjournals.com/content/35/1/42.long

Effects of smoking cannabis on lung function  
(full – 2011)  
http://www.expert-reviews.com/doi/full/10.1586/ers.11.40

Cannabinoid effects on ventilation and breathlessness: A pilot study of efficacy and safety  
(abst – 2011)  
http://crd.sagepub.com/content/early/2011/01/23/1479972310391283.abstract

Beneficial effects of cannabinoids (CB) in a murine model of allergen-induced airway inflammation: role of CB1/CB2 receptors.  
(abst – 2011)  

Association Between Marijuana Exposure and Pulmonary Function Over 20 Years  
(full – 2012)  

Marijuana Smoke Not as Damaging as Tobacco, Says Study  
(news - 2012)  

Study: Smoking Marijuana Not Linked with Lung Damage  
(news – 2012)  
http://healthland.time.com/2012/01/10/study-smoking-marijuana-not-linked-with-lung-damage/

Cannabis and the Lung: No More Smoking Gun?  
(editorial – 2013)  

The effects of cannabidiol on the antigen-induced contraction of airways smooth muscle in the guinea-pig.  
(abst – 2013)  

Health outcomes associated with long-term regular cannabis and tobacco smoking.  
(abst – 2013)  

Effects of marijuana smoking on the lung.  
(abst – 2013)  
Cannabinoids as Treatment for COPD? (news – 2013)  
http://copd.about.com/b/2013/03/26/cannabinoids-as-treatment-for-copd.htm

Cannabinoids inhibit cholinergic contraction in human airways through prejunctional CB1 receptors. (abst – 2014)  

COUGH

Inhibition of guinea-pig and human sensory nerve activity and the cough reflex in guinea-pigs by cannabinoid (CB2) receptor activation. (full - 2003)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1574031/?tool=pubmed

Patent 6974568 - Treatment for cough (full - 2005)  
http://www.patentstorm.us/patents/6974568/fulltext.html

Effect of N-arachidonoyl-(2-methyl-4-hydroxyphenyl) amine (VDM11), an anandamide transporter inhibitor, on capsaicin-induced cough in mice (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1448189/?tool=pmcentrez


Cannabis Cough Cure (news - 2006)  

Cough sensors. III. Opioid and cannabinoid receptors on vagal sensory nerves. (abst – 2009)  

G-protein coupled receptors regulating cough. (abst – 2011)  

Inhibition Of Fatty Acid Amide Hydrolase Produces Anti-Tussive Effects In Guinea-Pigs: Evidence For Elevated Fatty Acid Amides Acting Via Cannabinoid Receptors On Airway Sensory Nerves (abst – 2012)  
"Recreational" drug abuse associated with failure to mount a proper antibody response after a generalised orthopoxvirus infection.  

CROHN’S DISEASE * - also see BOWEL DISORDERS

Crohn's Patients Report Symptomatic Relief From Cannabis  (news - 2005)  

Cannabis Helps Ulcers And Crohn's Disease  (news - 2006)  

Medical Marijuana and Crohn's Disease  (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/7?ailment=crohn-s-disease

Cannabis for Ulcerative Colitis and Crohn's Disease treatment  (news - 2009)  

Alternatives: Miracle Marijuana  (anecdotal/news - 2009)  
http://www.heretohelp.bc.ca/visions/cannabis-vol5/alternatives

The Cannabinoid 1 Receptor (CNR1) 1359 G/A Polymorphism Modulates Susceptibility to Ulcerative Colitis and the Phenotype in Crohn's Disease  (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2829088/?tool=pmcentrez

Treatment of Crohn's disease with cannabis: an observational study.  (full – 2011)  

Science: Treatment of Crohn's disease with cannabis: an observational study  
(news – 2011)  
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=357#1

The Gastrointestinal Pharmacology of Cannabinoids: Focus on Motility.  (full – 2012)  

Gut microbiota and the development of obesity.  (full – 2012)  

Irritable Bowel Syndrome: Methods, Mechanisms, and Pathophysiology. Genetic epidemiology and pharmacogenetics in irritable bowel syndrome  (full – 2012)  
http://ajpgi.physiology.org/content/302/10/G1075
Genetic Epidemiology and Pharmacogenetics in Irritable Bowel Syndrome.  

The endocannabinoid system in inflammatory bowel diseases: from pathophysiology to therapeutic opportunity.  


Industrial hemp decreases intestinal motility stronger than indian hemp in mice.  
(link to PDF – 2013)  http://www.europeanreview.org/article/3266

Cannabis Induces a Clinical Response in Patients with Crohn's Disease: a Prospective Placebo-Controlled Study.  

Pro-resolution, protective and anti-nociceptive effects of a cannabis extract in the rat gastrointestinal tract.  

Inhibition of fatty acid amide hydrolase (FAAH) as a novel therapeutic strategy in the treatment of pain and inflammatory diseases in the gastrointestinal tract  

Marijuana use patterns among patients with inflammatory bowel disease.  

Still Believe Nature Got It Wrong? Top 10 Health Benefits of Marijuana  

Choosing pot over pills may be the way to go for Crohn's sufferers  

Could Cannabis Cure Crohn's Disease?  
(news – 2013)  http://www.huffingtonpost.co.uk/2013/05/21/cannabis-treatment-inflammatory-bowel-disease-crohns_n_3311278.html?just_reloaded=1

Marijuana Put My Crohn’s Disease Into Remission and It’s Not A Joke  

CRPS/ RSD - COMPLEX REGIONAL PAIN SYNDROME/ REFLEX SYMPATHETIC DYSTROPHY/ CAUSALGIA
Opiate sparing effects of cannabinoid in refractory CRPS patients (abst – 2009)


Refractory CRPS Patients Discontinue Opiates With Cannabinoid Treatment (news – 2010)

Treatment of chronic regional pain syndrome type 1 with palmitoylethanolamide and topical ketamine cream: modulation of nonneuronal cells (full - 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3643547/

CRUETZFELDT-JACOB DISEASE - see MAD COW DISEASE

CT-3 – see AJULMIC ACID

CULTIVATION - not meant to be a “grow guide”, just interesting stuff I found about growing

Observations on the raising and dressing of hemp (1789)
As text- http://memory.loc.gov/cgi-bin/query/r?ammem/faw:@field%28DOCID+icufawbc0010%29

Observations on the raising and dressing of hemp (1789)

New Billion Dollar Crop (news – 1938)
http://www.hempfarm.org/BillionDollarCrop.html


Immuinochemical localization of tetrahydrocannabinol (THC) in cryofixed glandular trichomes of Cannabis (Cannabaceae) (full – 1997)  http://www.amjbot.org/content/84/3/336.full.pdf+html


Distortion of Teatree Stems by Twine As a Means to Determine the Number of Years That the Stems Have Been Used to Support Cannabis Plants. (abst – 2001)  http://www.ncbi.nlm.nih.gov/pubmed/11451066


Comparing Hemp Seed Yields (Cannabis sativa L.) of an On-Farm Scientific Field Experiment to an On-Farm Agronomic Evaluation Under Organic Growing Conditions in Lower Austria (full – 2004)  
http://www.nas.boku.ac.at/fileadmin/_/H93/H933/Personen/Vogl/PDF_NAWARO_JIHvogl2004_hempON_farm.pdf

Cold - resistance of hemp (Cannabis Sativa L.) (full – 2004)  
http://vir.nw.ru/hemp/hemp2.htm

Growth characteristics of Cannabis sativa L. cultivated in a phytotron and in the field. (abst – 2004)  


Fibre crops as alternative land use for radioactively contaminated arable land. (abst – 2005)  

Yield of illicit indoor cannabis cultivation in the Netherlands. (abst – 2006)  

Apparent increase in biomass and see productivity in hemp (Cannabis sativa) resulting from branch proliferation caused by the European corn borer (Ostrinia nubilalis). (abst – 2007)  
http://www.agr.gc.ca/eng/abstract/?id=9561000000564

Detection method for the ability of hemp (Cannabis sativa L.) seed germination by the use of 2,3,5-triphenyl-2H-tetrazolium chloride (TTC) (full - 2008)  

Photosynthetic response of Cannabis sativa L. to variations in photosynthetic photon flux densities, temperature and CO2 conditions. (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3550641/

Effect of Sowing Date on Growth and Development of Thai Hemp (Cannabis sativa L.) (full – 2008)  

Feds’ pot grower talks shop--but who can get his weed? (news - 2008)  
https://www.scientificamerican.com/blog/post.cfm?id=feds-pot-grower-talks-shop--but-who-2008-12-23

A PROPAGATION SYSTEM FOR CLONING OF HEMP (CANNABIS SATIVA L.) BY SHOOT TIP CULTURE (full – 2009)  
http://www.pakbs.org/pjbot/PDFs/41%282%29/PJB41%282%29603.pdf

Propagation through alginate encapsulation of axillary buds of Cannabis sativa L. - an important medicinal plant. (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3550375/


Effects of Gibberellic Acid on Primary Terpenoids and Delta-Tetrahydrocannabinol in Cannabis sativa at Flowering Stage.  (abst - 2009)  http://www.unboundmedicine.com/medline/ebm/record/19522814/abstract/Effects_of_Gibberellic_Acid_on_Primary_Terpenoids_and_Delta_Tetrahydrocannabinol_in_Cannabis_sativa_at_Flowering_Stage


Characteristics of Cannabis sativa L.: seed morphology, germination and growth characteristics, and distinction from Hibiscus cannabinus L  (link to PDF – 2010)  https://www.jstage.jst.go.jp/article/yakushi/130/2/130_2_237/_article


The results of an experimental indoor hydroponic Cannabis growing study, using the 'Screen of Green' (ScrOG) method-Yield, tetrahydrocannabinol (THC) and DNA analysis.  (abst – 2010)  http://www.ncbi.nlm.nih.gov/pubmed/20462712


Photosynthetic response of Cannabis sativa L., an important medicinal plant, to elevated levels of CO2.  (full– 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3550578/

WITCHES’ BROOM AND PHYLLODY LIKE SYMPTOMS OF DISEASES IN Acalypha indica L. AND Cannabis sativa L. - A NEW REPORT FROM CHAMPARAN, NORTH BIHAR (full – 2011)  
http://www.ijsr.in/upload/805707343Chapter_24.pdf

Characterization of Stolbur (16SrXII) Group Phytoplasmas Associated with Cannabis sativa Witches'-broom Disease in Iran (full – 2011)  

Industrial Hemp (Cannabis sativa L.) – a High-Yielding Energy Crop (thesis – 2011)  
http://pub.epsilon.slu.se/8415/1/prade_t_111102.pdf

Changes of photosynthesis-related parameters and productivity of Cannabis sativa under different nitrogen supply (full – 2011)  

Influence of agroclimatic conditions on content of main cannabinoids in industrial hemp (Cannabis sativa L.) (full– 2011)  

Variations in Photosynthesis, Transpiration, Water Use and Cannabinoid Contents in Field Grown Drug Type Varieties of Cannabis sativa L. (abst – 2011)  

Study on spectral reflectance characteristics of hemp canopies (abst – 2011)  

Factors determining yield and quality of illicit indoor cannabis (Cannabis spp.) production. (abst – 2011)  

The Effect of Electrical Lighting Power and Irradiance on Indoor-Grown Cannabis Potency and Yield. (abst – 2011)  

Cadmium Tolerance and Bioaccumulation of 18 Hemp Accessions. (abst – 2011)  

Molecular analysis of genetic fidelity in Cannabis sativa L. plants grown from synthetic (encapsulated) seeds following in vitro storage. (abst – 2011)  

Small-scale cannabis growers in Denmark and Finland. (abst – 2011)  

Investigations into the Hypothesis of Transgenic Cannabis (abst – 2011)  

Medicinal Genomics Sequences the Cannabis Genome to Assemble the Largest Known Gene Collection of this Therapeutic Plant. (news – 2011)
http://www.thefreelibrary.com/Medicinal+Genomics+Sequences+the+Cannabis+Genome+to+Assemble+the...-a0264585240

Miracle-Gro for marijuana? (news – 2011)  
http://theweek.com/article/index/216317/miracle-gro-for-marijuana

Feasibility of Using Mycoherbicides to Control Illicit Drug Crops Is Uncertain (news – 2011)  

The Importance Of Matured Cannabis (news – 2011)  
http://www.clear-uk.org/the-importance-of-matured-cannabis/

Cannabis sativa - An Important Subsistence Pollen Source for Apis mellifera (full – 2012)  

Common Hemp Crop Pests (article – 2012)  

Growing Hemp (article – 2012)  
http://www.innvista.com/health/foods/hemp/growing-hemp/

Harvesting Hemp (article – 2012)  

Cannabis - from cultivar to chemovar. (abst – 2012)  

Evolution of the Content of THC and Other Major Cannabinoids in Drug-Type Cannabis Cuttings and Seedlings During Growth of Plants (abst – 2012)  

Why small-scale cannabis growers stay small: Five mechanisms that prevent small-scale growers from going large scale. (abst – 2012)  

Yield and turnover of illicit indoor cannabis (Cannabis spp.) plantations in Belgium. (abst – 2012)  

Studies on the Optimization of Agrotechniques to Maximize the Productivity of Two Cannabis Chemotypes Cultivated to Produce Medicinal Grade Plant Material (abst – 2012)  

Nematicidal activities of Cannabis sativa L. and Zanthoxylum alatum Roxb. against Meloidogyne incognita (abst – 2013)  

How to Harvest Cannabis Plants (news – 2013)  
http://www.weedist.com/2013/07/how-to-harvest-cannabis-plants/
Young cannabis confirmed: Cannabinoid content discriminates between drug and hemp forms of cannabis seedlings  (news – 2013)  

Indoor Growing: Dirty Fingernails, Better Life  (news – 2013)  
http://www.weedist.com/2013/09/indoor-growing-dirty-fingernails-better-life/

Molecular Cytogenetic Characterization of the Dioecious Cannabis sativa with an XY Chromosome Sex Determination System.  (link to PDF – 2014)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0085118

A review of the cultivation and processing of cannabis (Cannabis sativa L.) for production of prescription medicines in the UK.  (abst – 2014)  

Induction of male flowers on female plants of Cannabis sativa by gibberellins and its inhibition by abscisic acid.  (abst – 2014)  

Music to grow cannabis by  (news – 2014)  
http://www.stuff.co.nz/national/crime/9637421/Music-to-grow-cannabis-by

Hemp growers cooperatives' report touts crop’s benefits to coal  (news – 2014)  

CUSHING’S SYNDROME

CB1 receptor mediates the effects of glucocorticoids on AMPK activity in the hypothalamus.  (abst – 2013)  

CYSTIC FIBROSIS *

I have Cystic fibrosis  (anecdotal - undated)  
http://www.masscann.org/consumption/73-medicine/314-i-have-cystic-fibrosis

Cannabinoids and cystic fibrosis: a novel approach to etiology and therapy.  (full - 2002)  

The endocannabinoid-CB receptor system: Importance for development and in pediatric disease.  (abst - 2004)  
Peripheral, but not central effects of cannabidiol derivatives: mediation by CB(1) and unidentified receptors.  
(abst – 2005)  

Vaporized marijuana effect on CF. NOT smoking  
(forum post - 2007)  
http://www.topix.com/forum/health/cystic-fibrosis/TBQ56B1VNGGAODTKA

"Bong lung" in cystic fibrosis: a case report  
(full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2998526/?tool=pmcentrez

Cannabinoids and Cystic Fibrosis: A Novel Approach to Etiology and Therapy  
(article – 2011)  

Behavioral alterations in cystic fibrosis mice are prevented by cannabinoid treatment in infancy  
(abst – 2011)  

**CYSTITIS**

Cannabinoid rotation in a young woman with chronic cystitis  
(abst - 2003)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=115

Marijuana-Derived Drug Suppresses Bladder Overactivity And Irritation In Animal Models  
(news - 2005)  

Marijuana-Derived Drug Promises Hope In Treating Bladder Infection  
(news – 2005)  

Marijuana-Derived Drug Suppresses Bladder Pain In Animal Models  
(news - 2006)  
http://www.sciencedaily.com/releases/2006/05/060521103039.htm

Severity of acute cystitis may be cut with cannabinoid agonist  
(news – 2011)  

Activation of Cannabinoid Receptor 2 Inhibits Experimental Cystitis.  
(abst – 2013)  

Treatment with a Cannabinoid Receptor 2 Agonist Decreases Severity of Established Cystitis.  
(abst – 2013)  
DEPRESSION *

Anxiety with Depression Research Review  (full - 2000)  
http://www.ukcia.org/research/AnxietyWithDepressionResearchReview.pdf

Therapeutic Aspects of Cannabis and Cannabinoids  (full - 2001)  

Association between cannabis use and depression may not be causal, study says  
(news - 2004)  
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=177#4

Cannabinoids promote hippocampus neurogenesis and produce anxiolytic- and antidepressant-like effects  (full - 2005)  
http://www.jci.org/cgi/content/full/115/11/3104

Antidepressant-like activity by blockade of anandamide hydrolysis  
(full - 2005)  

Depression in Parkinson's disease is related to a genetic polymorphism of the cannabinoid receptor gene (CNR1)  (full - 2005)  
http://www.nature.com/tpj/journal/v5/n2/full/6500301a.html

Antidepressant-like Activity and Modulation of Brain Monoaminergic Transmission by Blockade of Anandamide Hydrolysis.  (full – 2005)  
http://www.pnas.org/content/102/51/18620.long

Decreased Depression in Marijuana Users  (full – 2005)  

Depression: URB597 increases endocannabinoids in brain  (news – 2005)  
http://www.xagena.it/news/medicine/news_158388770a41292b277c199ca8d95ccf.html

New Antidepressant Drug Increases 'Brain's Own Cannabis'  (news - 2005)  
http://www.sciencedaily.com/releases/2005/12/051213172852.htm

Cannabis' Acts as Antidepressant  (news - 2005)  

Cannabis And Depression Research  (news - 2005)
High-dose cannabis stimulates growth of brain cells in rats  (news – 2005)


Marijuana might cause new cell growth in the brain  (news – 2005)  (may need registration)  http://www.newscientist.com/article/dn8155

Surprising Brain Effects From Pot-Like Drug  (news – 2005)


Marijuana use and depression among adults: Testing for causal associations.  (abst - 2006)

Do patients use marijuana as an antidepressant?  (abst - 2006)

A possible role for the endocannabinoid system in the neurobiology of depression  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2169225/?tool=pubmed

Chronologically overlapping occurrences of nicotine-induced anxiety- and depression-related behavioral symptoms: effects of anxiolytic and cannabinoid drugs  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2075518/?tool=pubmed

Cannabinoids elicit antidepressant-like behavior and activate serotonergic neurons through the medial prefrontal cortex.  (full - 2007)
http://www.jneurosci.org/cgi/content/full/27/43/11700


Marijuana-Like Brain Chemicals Work As Antidepressant  (news - 2007)

Marijuana chemical may treat depression  (news - 2007)
Cannabis: Potent Anti-Depressant In Low Doses, Worsens Depression At High Doses (news - 2007) [link]

Synthetic form of THC is an effective anti-depressant at low doses (news - 2007) [link]

Rimonabant: safety issues (news – 2007) [link]

Treating depression with cannabinoids (full - 2008) [link]

Nicotine (NC)-induced "depressive" behavioral symptoms and effects of antidepressants including cannabinoids (CBs). (full – 2008) [link]

Animal research highlights a therapeutic potential of cannabinoids for the treatment of depression (full - 2008) [link]

Cannabinoid receptor 1 (CNR1) gene: impact on antidepressant treatment response and emotion processing in major depression. (abst – 2008) [link]

Evaluation of Delta9 -Tetrahydrocannabinoland other Cannabinoids for Antidepressant-like Actions in the Mouse Forced Swim Test (abst – 2008) [link]

Circulating endocannabinoids and N-acyl ethanololamines are differentially regulated in major depression and following exposure to social stress. (full – 2009) [link]

Impairments in Endocannabinoid Signaling and Depressive Illness (abst + 1st page – 2009) [link]

Protracted cannabinoid administration elicits antidepressant behavioral responses in rats: role of gender and noradrenergic transmission. (abst - 2009) [link]

Cannabis and suicide: longitudinal study. (abst - 2009) [link]

Medical Marijuana and Major Depression (news – 2009) [link]

Antidepressant-like effect of delta9-tetrahydrocannabinol and other cannabinoids isolated from Cannabis sativa L. (full – 2010) [link]
Uni-Morbid and Co-Occurring Marijuana and Tobacco Use: Examination of Concurrent Associations with Negative Mood States  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2861285/?tool=pubmed


Deficiency in Endocannabinoid Signaling in the Nucleus Accumbens Induced by Chronic Unpredictable Stress  (full - 2010)  
http://www.nature.com/npp/journal/v35/n11/full/npp201099a.html

Depression-resistant endophenotype in mice overexpressing cannabinoid CB2 receptors  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2936848/?report=classic

Brain CB2 Receptors: Implications for Neuropsychiatric Disorders  (link to PDF– 2010)  

Genes differentially expressed in CB1 knockout mice: involvement in the depressive-like phenotype.  (abst – 2010)  

Gadolinium-HU-308-incorporated micelles.  (full – 2011)  

Is lipid signaling through cannabinoid 2 receptors part of a protective system?  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

N-palmitoylethanolamide, an endocannabinoid, exhibits antidepressant effects in the forced swim test and the tail suspension test in mice.  (full – 2011)  

Nutritional omega-3 deficiency abolishes endocannabinoid-mediated neuronal functions.  (abst – 2011)  

Endocannabinoid system dysfunction in mood and related disorders.  (abst – 2011)  

Intense exercise increases circulating endocannabinoid and BDNF levels in humans—Possible implications for reward and depression  (abst – 2011)  
http://www.psyneuen-journal.com/article/PIIS0306453011002873/abstract?rss=yes

Cannabidiol as an emergent therapeutic strategy for lessening the impact of inflammation on oxidative stress.  (abst – 2011)  

Cannabinoids and emotionality: a neuroanatomical perspective.  (abst – 2011)  


Genetic variability in the endocannabinoid system and 12-week clinical response to citalopram treatment: the role of the CNR1, CNR2 and FAAH genes  (abst – 2012)  http://jop.sagepub.com/content/26/10/1391

Opposing local effects of endocannabinoids on the activity of noradrenergic neurons and release of noradrenaline: relevance for their role in depression and in the actions of CB(1) receptor antagonists.  (abst – 2012)  http://www.ncbi.nlm.nih.gov/pubmed/22990678


Effect of dietary fat type on anxiety-like and depression-like behavior in mice  (full – 2013)  http://www.springerplus.com/content/2/1/165

Translational evidence for the involvement of the endocannabinoid system in stress-related psychiatric illnesses.  (full – 2013)  http://www.biolmoodanxietydisord.com/content/3/1/19
Screening genetic variability at the CNR1 gene in both major depression etiology and clinical response to citalopram treatment. (abst – 2013)

Additive effect of rimonabant and citalopram on extracellular serotonin levels monitored with in vivo microdialysis in rat brain. (abst – 2013)


Can Marijuana Reduce Social Pain? (abst – 2013)
http://spp.sagepub.com/content/early/2013/05/13/1948550613488949.abstract

Sleep Quality Moderates the Relation between Depression Symptoms and Problematic Cannabis Use among Medical Cannabis Users. (abst – 2013)


Cannabinoid Receptor Activation Prevents the Effects of Chronic Mild Stress on Emotional Learning and LTP in a Rat Model of Depression. (abst – 2013)


Testing bidirectional effects between cannabis use and depressive symptoms: moderation by the serotonin transporter gene (abst – 2013)

Study: THC Increases Brain Activity In Response To Positive Stimuli (news – 2013)
This bud’s for you: Marijuana identified as a buffer against loneliness, study suggests (news – 2013) http://o.canada.com/life/marijuana-can-act-as-buffer-against-loneliness-study-suggests/


Monoacylglycerol Lipase Inhibition Blocks Chronic Stress-Induced Depressive-Like Behaviors via Activation of mTOR Signaling. (abst – 2014) http://www.ncbi.nlm.nih.gov/pubmed/24476943


DERMATITIS *

The Endocannabinoid System in Human Keratinocytes (full – 2003) http://www.jbc.org/content/278/36/33896.full


Involvement of the Cannabinoid CB2 Receptor and Its Endogenous Ligand 2-Arachidonoylglycerol in Oxazolone-Induced Contact Dermatitis in Mice (full – 2006) http://www.jimmunol.org/content/177/12/8796.full

Anandamide Regulates Keratinocyte Differentiation by Inducing DNA Methylation in a CB1 Receptor-dependent Manner (full – 2007) http://www.jbc.org/content/283/10/6005.full?sid=931583b1-e797-43e0-8296-7fd75bb49403#sec-4


Role seen for cannabis in helping to alleviate allergic skin disease (news - 2007) http://www.physorg.com/news106487623.html
Allergic Skin Disease Could Be Treated With Substance Found In Cannabis  

Hashing Out Allergic Contact Dermatitis — Another Medical Use for Marijuana?  

Cannabis May Help Alleviate Allergic Skin Disease  

Constituents Of Hashish And Marijuana May Help To Fight Inflammation And Allergies  

Cannabis compound reduces skin allergies in mice  

Marijuana Might Help Cure Allergic Contact Dermatitis (a.k.a. Poison Ivy)  

Marijuana Skin Cream?  

Cannabis for allergic contact dermatitis  

Want Nice Skin? Then Smoke Cannabis!  

Attenuation of Allergic Contact Dermatitis Through the Endocannabinoid System  

Endocannabinoids enhance lipid synthesis and apoptosis of human sebocytes via cannabinoid receptor-2-mediated signaling.  
(full – 2008)  http://www.fasebj.org/content/22/10/3685.long

Body's Own 'Cannabis (Marijuana)' Is Good For The Skin, Scientists Find  

Substances Similar To The Body's Own 'Cannabis (Marijuana) Are Necessary For Healthy Skin And May Lead To New Skin Disease Treatments  
The endocannabinoid system of the skin in health and disease: novel perspectives and therapeutic opportunities (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2757311/?tool=pmcentrez


Falcarinol is a covalent cannabinoid CB1 receptor antagonist and induces pro-allergic effects in skin. (abst – 2010) http://www.ncbi.nlm.nih.gov/pubmed/20206138


Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/


The role of CB2 receptor ligands in human eosinophil function (full – 2012) http://www.biomedcentral.com/content/pdf/2050-6511-13-S1-A13.pdf


Anti-inflammatory activity of topical THC in DNFB-mediated mouse allergic contact dermatitis independent of CB1 and CB2 receptors  (abst – 2013)

Dermatologists: Marijuana Can Improve Your Skin, But Not If You Smoke It (news – 2013)

Marijuana May Turn Off DNA Linked To Skin Cancer And Other Diseases (news – 2013)

**DIABETES**

Cannabidiol Preserves Retinal Neurons and Reduces Vascular Permeability in Experimental Diabetes  (abst - 2004)
http://abstracts iovs.org/cgi/content/abstract/45/5/860?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1760&resourcetype=HWCIT


Cannabidiol lowers incidence of diabetes in non-obese diabetic mice  (full - 2005)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2270485/?tool=pmcentrez

Activation of the Peripheral Endocannabinoid System in Human Obesity (full - 2005)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2228268/?tool=pmcentrez

Gpr40 Gene Expression in Human Pancreas and Insulinoma.  (abst – 2005)

The Ffa Receptor Gpr40 Links Hyperinsulinemia, Hepatic Steatosis, and Impaired Glucose Homeostasis in Mouse.  (abst – 2005)

Neuroprotective and Blood-Retinal Barrier-Preserving Effects of Cannabidiol in Experimental Diabetes  (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1592672/?tool=pubmed

Regulation, Function, and Dysregulation of Endocannabinoids in Models of Adipose and β-Pancreatic Cells and in Obesity and Hyperglycemia  (full - 2006)
Weight Control in Individuals With Diabetes  (full - 2006)
http://care.diabetesjournals.org/content/29/12/2749.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=2000&resourceType=HWCIT

Changes in endocannabinoid and palmitoylethanolamide levels in eye tissues of patients with diabetic retinopathy and age-related macular degeneration.  (abst – 2006)

Expression of the Gene for a Membrane-bound Fatty Acid Receptor in the Pancreas and Islet Cell Tumours in Humans: Evidence for Gpr40 Expression in Pancreatic Beta Cells and Implications for Insulin Secretion.  (abst – 2006)

The Cannabinergic System as a Target for Anti-inflammatory Therapies  (abst - 2006)  http://www.ingentaconnect.com/content/ben/ctmc/2006/00000006/00000013/art00008


Cannabidiol, a marijuana compound, may help stop diabetic retinopathy  (news – 2006)  http://www.xagena.it/news/medicinenews_net_news/549d841c3704e2b6a273a258dd0b6f17.html


Compound found in marijuana may defend against diabetic retinopathy  (news – 2006)  http://www.news-medical.net/news/2006/03/01/16284.aspx


Expression of Cannabinoid CB1 Receptors in Models of Diabetic Neuropathy  (full - 2007)
Cannabidiol attenuates high-induced endothelial cell inflammatory response and barrier disruption (full - 2007)  

http://www.patentstorm.us/applications/20070099987/fulltext.html

Role of cannabinoid CB2 receptors in glucose homeostasis in rats (abst – 2007)  

The synthetic cannabinoid HU-210 attenuates neural damage in diabetic mice and hyperglycemic pheochromocytoma PC12 cells (abst - 2007)  

Anticoagulant Effects of a Cannabis Extract in an Obese Rat Model (abst - 2007)  

Mediation of Cannabidiol anti-inflammation in the Retina by Equilibrative Nucleoside Transporter and A2A Adenosine Receptor (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2588644/?tool=pmcentrez

The Role of Adipocyte Insulin Resistance in the Pathogenesis of Obesity-Related Elevations in Endocannabinoids (full – 2008)  
http://diabetes.diabetesjournals.org/content/57/5/1262.full?sid=00769f3d-54ab-451b-b69e-4650931c5e25

GPR119, a novel G protein-coupled receptor target for the treatment of type 2 diabetes and obesity (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2268073/?tool=pmcentrez

Endogenous and synthetic agonists of GPR119 differ in signalling pathways and their effects on insulin secretion in MIN6c4 insulinoma cells. (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2528830/?tool=pubmed

Endocannabinoid Dysregulation in the Pancreas and Adipose Tissue of Mice Fed With a High-fat Diet (full - 2008)  

Neuroprotective effects of cannabidiol in endotoxin-induced uveitis: critical role of p38 MAPK activation. (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2592995/?tool=pubmed

Endocannabinoids and the Control of Energy Homeostasis (full – 2008)  
http://www.jbc.org/content/283/48/33021.full?sid=931583b1-e797-43e0-8296-7fd75bb49403

Mediation of Cannabidiol Anti-inflammation in the Retina by Equilibrative Nucleoside Transporter and A2A Adenosine Receptor (full – 2008)  
http://www iovs.org/content/49/12/5526.full
Effect of anandamide in improving of the non-adrenergic non-cholinergic relaxation of the corpus cavernosum from diabetic rats  (abst – 2008)  
http://journals.tums.ac.ir/abs.aspx?org_id=59&culture_var=en&journal_id=9&issue_id=1415&manuscript_id=12280&segment=fa


Cannabidiol As a Putative Novel Therapy for Diabetic Retinopathy: A Postulated Mechanism of Action as an Entry Point for Biomarker-Guided Clinical Development. (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2955420/?tool=pubmed

Cannabinoids as novel anti-inflammatory drugs. (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2828614/?tool=pubmed

Cannabinoid CB2 Receptor Potentiates Obesity-Associated Inflammation, Insulin Resistance and Hepatic Steatosis  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2688760/?tool=pubmed

The endocannabinoid system and diabetes - critical analyses of studies conducted with rimonabant  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2770455/?tool=pmcentrez

Biological effects of THC and a lipophilic cannabis extract on normal and insulin resistant 3T3-L1 adipocytes  (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19345076/abstract/Biological_effects_of_THC_and_a_lipophilic_cannabis_extract_on_normal_and_insulin_resistant_3T3_L1_adipocytes


Beneficial effects of a Cannabis sativa extract on diabetes induced neuropathy and oxidative stress.  (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19441010/abstract/Beneficial_effects_of_a_Cannabis_sativa_extract_treatment_on_diabetes_induced_neuropathy_and_oxidative_stress

Cannabis plant extracts could potentially form the basic ingredients for a market-leading diabetes drug  (news – 2009)  
http://www.thefreelibrary.com/Cannabis+plant+extracts+could+potentially+form+the+basic+ingredients....-a0202701009

Medical Marijuana and Diabetes, Adult Onset  (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/23?ailment=diabetes-adult-onset

Expression and function of cannabinoid receptors in mouse islets.  (full – 2010)  
http://www.landesbioscience.com/journals/islets/LiSLETS2-5.pdf
Cannabinoid-mediated modulation of neuropathic pain and microglial accumulation in a model of murine type I diabetic peripheral neuropathic pain. (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2845559/?tool=pmcentrez

Cannabinoid-induced apoptosis in immune cells as a pathway to immunosuppression. (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3005548/?tool=pubmed

Cannabinoid Receptor 1 Blockade Ameliorates Albuminuria in Experimental Diabetic Nephropathy  
http://diabetes.diabetesjournals.org/content/59/4/1046.full?sid=0bc8e3fa-5275-4b19-8acc-4acc5dfac384

Inhibitor of fatty acid amide hydrolase normalizes cardiovascular function in hypertension without adverse metabolic effects. (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3003779/

Cannabinoid Receptors are Coupled to Stimulation of Insulin Secretion from Mouse MIN6 β-cells  
http://www.karger.com/Article/Pdf/320527

Differential alterations of the concentrations of endocannabinoids and related lipids in the subcutaneous adipose tissue of obese diabetic patients. (full - 2010)  
http://www.lipidworld.com/content/9/1/43

Cannabinoid receptor stimulation impairs mitochondrial biogenesis in mouse white adipose tissue, muscle, and liver: the role of eNOS, p38 MAPK, and AMPK pathways. (full – 2010)  
http://diabetes.diabetesjournals.org/content/59/11/2826.full.pdf+html

Cannabidiol protects retinal neurons by preserving glutamine synthetase activity in diabetes. (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2925907/?tool=pubmed

Cannabidiol Attenuates Cardiac Dysfunction, Oxidative Stress, Fibrosis, and Inflammatory and Cell Death Signaling Pathways in Diabetic Cardiomyopathy  

Rehashing endocannabinoid antagonists: can we selectively target the periphery to safely treat obesity and type 2 diabetes?  
full – 2010)  
http://www.jci.org/articles/view/44099?

Differential alterations of the concentrations of endocannabinoids and related lipids in the subcutaneous adipose tissue of obese diabetic patients. (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2868848/?tool=pubmed

Diabetic retinopathy: Role of inflammation and potential therapies for anti-inflammation. (full–2010)  

AMELIORATIVE POTENTIAL OF CANNABIS SATIVA EXTRACT ON DIABETES INDUCED NEUROPATHIC PAIN IN RATS  
Polymorphisms in the endocannabinoid receptor 1 in relation to fat mass distribution (full – 2010)  http://www.eje-online.org/content/163/3/407.full


Lab Notes: Pot Has Benefits for Diabetic Hearts (news - 2010)  http://www.medpagetoday.com/LabNotes/LabNotes/23853


A role for the putative cannabinoid receptor GPR55 in the islets of Langerhans. (full – 2011)  http://joe.endocrinology-journals.org/content/211/2/177.long
Protective Role of Cannabinoid Receptor Type 2 in a Mouse Model of Diabetic Nephropathy. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3161308/

Cannabinoid receptor 2 signaling does not modulate atherogenesis in mice (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3082575/?tool=pubmed

Hepatic n-3 Polyunsaturated Fatty Acid Depletion Promotes Steatosis and Insulin Resistance in Mice: Genomic Analysis of Cellular Targets (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3154437/


GPR119 Regulates Murine Glucose Homeostasis Through Incretin Receptor-Dependent and Independent Mechanisms (full – 2011) http://endo.endojournals.org/content/152/2/374.full?sid=c7413b30-1046-4f9c-b028-c46f78f293d9

Central Endocannabinoid Signaling Regulates Hepatic Glucose Production and Systemic Lipolysis (full – 2011) http://diabetes.diabetesjournals.org/content/60/4/1055.full

Cannabinoids Inhibit Insulin Receptor Signaling in Pancreatic β-Cells (full – 2011) http://diabetes.diabetesjournals.org/content/60/4/1198.full

Acute cannabinoid receptor type 1 (CB1R) modulation influences insulin sensitivity by an effect outside the central nervous system in mice. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21340622


Cannabinoids and Endocannabinoids in Metabolic Disorders with Focus on Diabetes. (abst – 2011) http://www.unboundmedicine.com/medline/ebm/record/21484568/abstract/Cannabinoids_and_Endocannabinoids_in_Metabolic_Disorders_with_Focus_on_Diabetes


Variants at the endocannabinoid receptor CB1 gene (CNR1) and insulin sensitivity, type 2 diabetes, and coronary heart disease. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21633404

Cannabidiol Dampens Streptozotocin-Induced Retinal Inflammation by Targeting of Microglial Activation (abst - 2011) http://abstracts.iovs.org/cgi/content/abstract/52/6/1002?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCIT


TAK-875, an orally available G protein-coupled receptor 40/free fatty acid receptor 1 agonist, enhances glucose-dependent insulin secretion and improves both postprandial and fasting hyperglycemia in type 2 diabetic rats. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21752941


The L-α-lysophosphatidylinositol/GPR55 system and its potential role in human obesity. (full – 2012) http://diabetes.diabetesjournals.org/content/61/2/281.long

Endocannabinoids measurement in human saliva as potential biomarker of obesity. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3409167/?tool=pubmed


Type 2 Diabetes Associated Changes in the Plasma Non-Esterified Fatty Acids, Oxylipins and Endocannabinoids (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3493609/

Excess of the endocannabinoid anandamide during lactation induces overweight, fat accumulation and insulin resistance in adult mice (full – 2012) http://www.dmsjournal.com/content/4/1/35

Relationships between glucose, energy intake and dietary composition in obese adults with type 2 diabetes receiving the cannabinoid 1 (CB1) receptor antagonist, rimonabant (full – 2012) http://www.nutritionj.com/content/11/1/50
Metabolic effects of n-3 PUFA as phospholipids are superior to triglycerides in mice fed a high-fat diet: possible role of endocannabinoids. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3372498/

Antihyperglycemic and hypolipidemic effects of α, β-amyrin, a triterpenoid mixture from Protium heptaphyllum in mice (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3484111/


The Novel Reversible Fatty Acid Amide Hydrolase Inhibitor ST4070 Increases Endocannabinoid Brain Levels and Counteracts Neuropathic Pain in Different Animal Models (full – 2012) http://jpet.aspetjournals.org/content/342/1/188.full.pdf+html


Islet protection and amelioration of diabetes type 2 in Psammomys obesus by treatment with cannabidiol (link to PDF - 2012) http://www.scipt.org/searchResult/Index.aspx?searchCode=Islet+protection+and+amelioration+of+d+type+2+in+Psammomys+obesus+by+treatment+with+cannabidiol


A Randomized, Double-Blind, Placebo Controlled, Parallel Assignment, Flexible Dose, Efficacy Study of Nabilone as Adjuvant in the Treatment of Diabetic Peripheral Neuropathic Pain Using an Enriched Enrollment Randomized Withdrawal Design (S38.003) (abst – 2012) http://www.neurology.org/cgi/content/meeting_abstract/78/1_MeetingAbstracts/S38.003?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=180&sortspec=date&resourcetype=HWCIT


Reports of the death of CB1 antagonists have been greatly exaggerated: recent preclinical findings predict improved safety in the treatment of obesity. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22743603


Encouraging anti-diabetic results for new cannabinoid drug (news – 2012) 

New drug offers novel pain management therapy for diabetics. (news - 2012) 
http://www.thefreelibrary.com/New+drug+offers+novel+pain+management+therapy+for+diabetics.-a0306899453

Drug offers new pain management therapy for diabetics (news – 2012) 

The impact of marijuana use on glucose, insulin, and insulin resistance among US adults (full – 2013) 
http://www.amjmed.com/article/S0002-9343(13)00200-3/fulltext

Developmental Role for Endocannabinoid Signaling in Regulating Glucose Metabolism and Growth. (full – 2013) 
http://diabetes.diabetesjournals.org/content/62/7/2359.full?sid=2f5bda2b-a9c7-432a-9588-80c99189164d

Influence of G1359A polimorphysm of the cannabinoid receptor gene (CNR1) on insulin resistance and adipokines in patients with non alcoholic fatty liver disease. (full – 2013) 

Modulating the endocannabinoid system in human health and disease: successes and failures (full – 2013) 

Reduced Food Intake is the Major Contributor to the Protective Effect of Rimonabant on Islet in Established Obesity-Associated Type 2 Diabetes. (full – 2013) 
http://www.eymj.org/DOIx.php?id=10.3349/ymj.2013.54.5.1127

Is the cardiovascular system a therapeutic target for cannabidiol? (full – 2013) 


Effects of CB1 receptor blockade on monosodium glutamate induced hypometabolic and hypothalamic obesity in rats. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23620336


Monounsaturated fatty acids generated via stearoyl CoA desaturase-1 are endogenous inhibitors of fatty acid amide hydrolase.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24191036


Role of Genetic Variation in the Cannabinoid Receptor Gene (CNR1) (G1359A Polymorphism) on Weight Loss and Cardiovascular Risk Factors After Liraglutide Treatment in Obese Patients With Diabetes Mellitus Type 2.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24322329

Vascular targets for cannabinoids: animal and human studies.  (abst – 2013)
A potential role for GPR55 in the regulation of energy homeostasis. (abst – 2013)

Effects of C358A polymorphism of the endocannabinoid degrading enzyme fatty acid amide hydrolase (FAAH) on weight loss, adipocytokines levels, and insulin resistance after a high polyunsaturated fat diet in obese patients. (abst – 2013)

Marijuana: The next diabetes drug? (news – 2013)

Regular Marijuana Use is Associated With Favorable Indices to Diabetic Control, Say Investigators (news – 2013)

Marijuana Users Have Better Blood Sugar Control (news – 2013)

Study: Why Pot Smokers Are Skinnier (news – 2013)

Cannabis linked to prevention of diabetes (news – 2013)

Marijuana Extract Holds Promise as Diabetes Treatment (news – 2013)

Study: Marijuana Smokers Are Thinner And Healthier Than Non-Users (news – 2013)

A Role for Trans-caryophyllene in the Moderation of Insulin Secretion. (abst – 2014)

Effect of intermittent cold exposure on brown fat activation, obesity, and energy homeostasis in mice. (abst – 2014)
Glial expression of cannabinoid CB(2) receptors and fatty acid amide hydrolase are beta amyloid-linked events in Down's syndrome. (abst – 2008) http://www.ncbi.nlm.nih.gov/pubmed/18068305


**DRIVING AND CANNABIS**


Drivers With THC in their Blood Have Only a Small Increased Risk to Cause an Accident (news - 2005) http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=207

Roadside sobriety tests and attitudes toward a regulated cannabis market. (full – 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1796871/?tool=pubmed


Fitness to drive in spite (because) of THC (abst - 2007) http://www.unboundmedicine.com/medline/ebm/record/17879702/abstract/%5BFitness_to_drive_in_spite__because__of_THC%5D


Marijuana and Driving Not So Dangerous After All (news - 2008)  

The effect of cannabis compared with alcohol on driving. (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2722956/?tool=pubmed

Sex Differences in the Effects of Marijuana on Simulated Driving Performance (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3033009/?tool=pmcentrez

The effects of cannabis and alcohol on simulated arterial driving: Influences of driving experience and task demand. (abst – 2010)  
http://www.unboundmedicine.com/medline/ebm/record/20380913/abstract/The_effects_of_cannabis_and_alcohol_on_simulated_arterial_driving:_Influences_of_driving_experience_and_task_demand

Study: Marijuana Has Little Effect On Driving (news - 2010)  
http://www.wfsb.com/story/14787761/study-marijuana-has-little-effect-on-driving-6-07-2010

Hartford Hospital Studies Effects Of Marijuana Use On Driving Skills (news - 2010)  
http://www.ctnow.com/health/hc-marijuana-study0608-20100607.0,5896933.story

Psychomotor Impairing Effects Of Cannabis Are Nominal In Experienced Users, Study Says (news – 2010)  
http://www.norml.org/index.cfm?Group_ID=8404

Medical Marijuana Laws, Traffic Fatalities, and Alcohol Consumption (full – 2011)  

The prevalence of cannabis-involved driving in California. (full – 2011)  

Alcohol, psychoactive drugs and fatal road traffic accidents in Norway: a case-control study. (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21376919/abstract/AlcoholPsychoactive_drugs_and_fatal_road_traffic_accidents_in_Norway:_a_case_control_study

Study shows medical marijuana laws reduce traffic deaths (news – 2011)  

Why Medical Marijuana Laws Reduce Traffic Deaths (news - 2011)  

Psychomotor Performance, Subjective and Physiological Effects and Whole Blood Δ9-Tetrahydrocannabinol Concentrations in Heavy, Chronic Cannabis Smokers Following Acute Smoked Cannabis (full – 2012)  
http://jat.oxfordjournals.org/content/36/6/405.full

A placebo-controlled study to assess Standardized Field Sobriety Tests performance during alcohol and cannabis intoxication in heavy cannabis users and accuracy of point of collection testing devices for detecting THC in oral fluid. (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3456923/
The Therapeutic Potential of Cannabis and Cannabinoids (full – 2012)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3442177/

Cannabis and psychomotor performance: A rational review of the evidence and implications for public policy (article – 2012)


7% of California Drivers Test Positive for Marijuana, but Are They Impaired? (news – 2012) http://healthland.time.com/2012/11/20/7-of-cal-drivers-test-positive-for-marijuana-but-are-they-impaired/#ixzz2IY4mBJet


Prevalence of synthetic cannabinoids in blood samples from Norwegian drivers suspected of impaired driving during a seven weeks period.  (abst – 2013)  

THCCOOH concentrations in whole blood: Are they useful in discriminating occasional from heavy smokers?  (abst – 2013)  

Prevalence of alcohol and other drugs and the concentrations in blood of drivers killed in road traffic crashes in Sweden.  (abst – 2013)  

Cannabis use: a perspective in relation to the proposed UK drug-driving legislation. (abst – 2013)  

Analysis of AM-2201 and metabolites in a drugs and driving case  (abst – 2013)  

Study: Imposition Of Per Se Limits For Drugs Don't Reduce Traffic Deaths  
(news – 2013)  
http://norml.org/news/2013/01/17/study-imposition-of-per-se-limits-for-drugs-don-t-reduce-traffic-deaths

Michigan driver who uses medical marijuana wins appeal  (news – 2013)  

Pot smell isn't cause to arrest everyone in a car  (news - 2013)  

Study: Medical Marijuana Laws Lead To Decrease In Alcohol-Related Deaths  
(news – 2013)  
http://www.opposingviews.com/i/society/study-medical-marijuana-laws-lead-decrease-alcohol-related-deaths#

Cannabis driving claims 'don't stand up to evidence’  (news – 2013)  

An examination of the validity of the standardized field sobriety test in detecting drug impairment using data from the drug evaluation and classification program.  
(abst – 2014)  

Driving under the influence of synthetic cannabinoids ("Spice"): a case series.  
(abst – 2014)  

**DRUG INTERACTIONS** - see INTERACTIONS WITH OTHER DRUGS
DRUG TESTING *

Effects of pyridinium chlorochromate adulterant (urine luck) on testing for drugs of abuse and a method for quantitative detection of chromium (VI) in urine. (full – 2000)  
http://jat.oxfordjournals.org/content/24/4/233.long

Consumption and quantitation of delta9-tetrahydrocannabinol in commercially available hemp seed oil products. (abst – 2000)  

GC-MS analysis of the total delta9-THC content of both drug- and fiber-type cannabis seeds. (abst – 2000)  

Effects of Stealth adulterant on immunoassay testing for drugs of abuse. (full – 2002)  
http://jat.oxfordjournals.org/content/25/6/466.long

A procedure for the detection of Stealth adulterant in urine samples. (abst – 2002)  

Effects of oxidizing adulterants on detection of 11-nor-delta9-THC-9-carboxylic acid in urine. (abst – 2002)  

Toxicological Screening for Drugs of Abuse in Samples Adulterated with Household Chemicals. (abst – 2002)  

Nursing Home Residents Test Positive For Marijuana (news – 2002)  

Practical Challenges to Positive Drug Tests for Marijuana (editorial - 2003)  
http://www.clinchem.org/cgi/content/full/49/7/1037

Drug testing in the workplace (full - 2004)  
http://www.ukcia.org/research/DrugTestingInWorkplace.pdf

A Review of Internet-Based Home Drug-Testing Products for Parents (full/forum repost - 2004)  

Passive Inhalation of Cannabis Smoke. (abst – 2004)  

Drugs of Abuse: Analyses and Ingested Agents That Can Induce Interference or Cross-Reactivity (full - 2006)  
http://labmed.ascpjournals.org/content/37/6/358.full.pdf+html?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=2400&resourcetype=HWCI

The Effects of Adulterants and Selected Ingested Compounds on Drugs-of-Abuse Testing in Urine  (full - 2007)  http://ajcp.ascpjournals.org/content/128/3/491.full.pdf+html

Human Cannabinoid Pharmacokinetics  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2689518/?tool=pmcentrez

Roadside sobriety tests and attitudes toward a regulated cannabis market.  (full – 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1796871/?tool=pubmed


Biomarkers for the effects of cannabis and THC in healthy volunteers  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2668079/?tool=pmcentrez


Reintoxication: the release of fat-stored Delta-tetrahydrocannabinol (THC) into blood is enhanced by food deprivation or ACTH exposure.  (full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2782342/?tool=pubmed


Has the Most Common Marijuana Test Resulted in Tens of Thousands of Wrongful Convictions?  (news – 2010)
Drug Screens Fail Accuracy Tests 10% of Time  

Drugs That Test Positive for THC  
http://www.livestrong.com/article/201903-drugs-that-test-positive-for-the/

APA: Drug Test Results Often Flawed  
http://www.medpagetoday.com/MeetingCoverage/APA/20253

The current status of community drug testing via the analysis of drugs and drug metabolites in sewage  

Immunochemical approach using monoclonal antibody against Δ(9)-tetrahydrocannabinolic acid (THCA) to discern cannabis plants and to investigate new drug candidates.  
(link to PDF – 2011)  

Zinc Reduces the Detection of Cocaine, Methamphetamine, and THC by ELISA Urine Testing.  

Cannabinoids in postmortem toxicology.  

Postmortem redistribution of Δ9-tetrahydrocannabinol (THC), 11-hydroxy-THC (11-OH-THC), and 11-nor-9-carboxy-THC (THCCOOH).  

A preliminary investigation on the distribution of cannabinoids in man.  
http://www.unboundmedicine.com/medline/ebm/record/21570784/abstract/A_preliminary_investigation_on_the_distribution_of_cannabinoids_in_man

Use of high-resolution accurate mass spectrometry to detect reported and previously unreported cannabinomimetics in "herbal high" products.  

Simultaneous determination of delta-9-tetrahydrocannabinol cannabidiol and cannabinol in edible oil using ultra performance liquid chromatography-tandem mass spectrometry (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21381415/abstract/%5BSimultaneous_determination_of_delta_9_tetrahydrocannabinol_cannabidiol_and_cannabinol_in_edible_oil_using_ultra_performance_liquid_chromatography_tandem_mass_spectrometry%5D

Metabolic acidosis, hypoglycemia, and severe myalgias: an attempt to mask urine drug screen results.  


Does a positive finding of tetrahydrocannabinol in the blood result from ingestion of Indian frankincense (Boswellia serrata)? (abst – 2012) http://www.unboundmedicine.com/medline/citation/22834359/%5BDoes_a_positive_finding_of_tetrahydrtocannabinol_in_the_blood_result_from_ingestion_of_Indian_frankincense_%28Boswellia_serrata%29


7% of California Drivers Test Positive for Marijuana, but Are They Impaired? (news – 2012)
http://www.unodc.org/documents/scientific/STNAR48_Synthetic_Cannabinoids_ENG.pdf

Identification and Structural Elucidation of Four Cannabimimetic Compounds (RCS-4, AM-2201, JWH-203 and JWH-210) in Seized Products.  (abst – 2013)  

Marijuana Poisoning. (dogs)  (abst – 2013)  

Using quantitative wastewater analysis to measure daily usage of conventional and emerging illicit drugs at an annual music festival.  (abst – 2013)  

Oral fluid/plasma cannabinoid ratios following controlled oral THC and smoked cannabis administration.  (abst – 2013)  

Analysis of THCA synthase gene expression in cannabis: A preliminary study by real-time quantitative PCR.  (abst – 2013)  


An in vitro experiment on the interaction of charcoal or wheat bran with 11-nor-9-carboxy-Δ9-tetrahydrocannabinol and its glucuronide.  (abst – 2013)  

Tricks and Tracks in the Identification and Quantification of Endocannabinoids  (abst – 2013)  

Elevated urine zinc concentration reduces the detection of methamphetamine, cocaine, THC and opiates in urine by EMIT.  (abst – 2013)  
http://www.unboundmedicine.com/medline/citation/23843421/Elevated_urine_zinc_concentration_reduces_the_detection_of_methamphetamine,_cocaine,_THC_and_opiates_in_urine_by_EMIT

Montreal hospital changes drug-testing protocol after baby's seizure  (news – 2013)  

One Toke, Many Hits: Exercise Could Trigger Additional High for Marijuana Users  (news – 2013)  
http://healthland.time.com/2013/09/17/one-toke-many-hits-exercise-could-trigger-additional-high-for-marijuana-users/
Synthetic Marijuana Added to Defense Department Drug Testing  
[news – 2013]  
http://www.drugfree.org/join-together/drugs/synthetic-marijuana-added-to-defense-department-drug-testing

UFC Raises Marijuana Testing Threshold  
[news – 2013]  
http://www.theweedblog.com/ufc-raises-marijuana-testing-threshold/

An examination of the validity of the standardized field sobriety test in detecting drug impairment using data from the drug evaluation and classification program.  
(abst – 2014)  

Analysis of new classes of recreational drugs in sewage: Synthetic cannabinoids and amphetamine-like substances.  
(abst – 2014)  

Metals and organic compounds in the biosynthesis of cannabinoids: a chemometric approach to the analysis of Cannabis sativa samples.  
(abst – 2014)  

New study casts doubts on effectiveness of drug testing students  
[news – 2014]  
http://www.csmonitor.com/USA/USA-Update/2014/0113/New-study-casts-doubts-on-effectiveness-of-drug-testing-students

DRUG TESTING – BLOOD *

Serum cannabinoid levels 24 to 48 hours after cannabis smoking  
(abst – 2003)  

Estimating the Time of Last Cannabis Use from Plasma {Delta}9-Tetrahydrocannabinol and 11-nor-9-Carboxy-{Delta}9-Tetrahydrocannabinol Concentrations  
(full - 2005)  
http://www.clinchem.org/cgi/content/full/51/12/2289

Driving under the influence of cannabis: a 10-year study of age and gender differences in the concentrations of tetrahydrocannabinol in blood.  
(abst - 2008)  

Cannabinoid concentrations in spot serum samples 24-48 hours after discontinuation of cannabis smoking.  
(abst – 2008)  

(abst - 2008)  

Do Delta(9)-tetrahydrocannabinol concentrations indicate recent use in chronic cannabis users?  
(full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2784185/?tool=pmcentrez
A semi-automated solid-phase extraction liquid chromatography/tandem mass spectrometry method for the analysis of tetrahydrocannabinol and metabolites in whole blood.  (abst - 2009)  

Identification of Recent Cannabis Use: Whole-Blood and Plasma Free and Glucuronidated Cannabinoid Pharmacokinetics Following Controlled Smoked Cannabis Administration.  (abst – 2009)  

http://marijuana.researchtoday.net/archive/7/1/2746.htm

Concentrations of delta9-tetrahydrocannabinol and 11-nor-9-carboxytetrahydrocannabinol in blood and urine after passive exposure to Cannabis smoke in a coffee shop.  (abst - 2010)  

Interpretation of blood analysis data found after passive exposure to cannabis  
(abst – 2010)  
http://www.unboundmedicine.com/medline/ebm/record/20506708/abstract/%5BInterpretation_of_blood_analysis_data_found_after_passive_exposure_to_cannabis%5D


Plasma cannabinoid pharmacokinetics following controlled oral delta9-tetrahydrocannabinol and oromucosal cannabis extract administration.  (full– 2011)  
http://www.clinchem.org/content/57/1/66.long

Oral Fluid and Plasma Cannabinoid Ratios after Around-the-Clock Controlled Oral {Delta}9-Tetrahydrocannabinol Administration.  (abst – 2011)  

Identification of Recent Cannabis Use: Whole-Blood and Plasma Free and Glucuronidated Cannabinoid Pharmacokinetics Following Controlled Smoked Cannabis Administration.  (abst – 2011)  

Influence of ethanol on cannabinoid pharmacokinetic parameters in chronic users.  
(abst – 2011)  
http://www.ncbi.nlm.nih.gov/pubmed/21116612

Variability of cannabinoid findings in blood  
(abst – 2011)  

Latest blood test detects 12 popular synthetic cannabinoids in "fake pot".  (news – 2011)
Psychomotor Performance, Subjective and Physiological Effects and Whole Blood Δ9-Tetrahydrocannabinol Concentrations in Heavy, Chronic Cannabis Smokers Following Acute Smoked Cannabis  (full – 2012)  http://jat.oxfordjournals.org/content/36/6/405.full


Predictive model accuracy in estimating last Δ(9)-tetrahydrocannabinol (THC) intake from plasma and whole blood cannabinoid concentrations in chronic, daily cannabis smokers administered subchronic oral THC.  (abst – 2012)  http://www.sciencedirect.com/science/article/pii/S0376871612000798


Does a positive finding of tetrahydrocannabinol in the blood result from ingestion of Indian frankincense (Boswellia serrata)?  (abst – 2012)  http://www.ncbi.nlm.nih.gov/pubmed/22834359

Determination of naphthalen-1-yl-(1-pentylinol-3-yl)methanone (JWH-018) in mouse blood and tissue after inhalation exposure to ‘buzz’ smoke by HPLC/MS/MS  (abst – 2012)  http://onlinelibrary.wiley.com/doi/10.1002/bmc.2710/abstract


Comparison of cannabinoid concentrations in oral fluid and whole blood between occasional and regular cannabis smokers prior to and after smoking a cannabis joint.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24202191


Quantification of anandamide and 2-arachidonoylglycerol plasma levels to examine potential influences of tetrahydrocannabinol application on the endocannabinoid system in humans  (abst – 2013)  http://onlinelibrary.wiley.com/doi/10.1002/dta.1561/abstract

Study: Imposition Of Per Se Limits For Drugs Don't Reduce Traffic Deaths  (news – 2013)  http://norml.org/news/2013/01/17/study-imposition-of-per-se-limits-for-drugs-don-t-reduce-traffic-deaths


**DRUG TESTING – BREATH TEST**

Detection of δ(9)-tetrahydrocannabinol in exhaled breath collected from cannabis users. (full – 2011)  [http://jat.oxfordjournals.org/content/35/8/541.long](http://jat.oxfordjournals.org/content/35/8/541.long)


**DRUG TESTING – HAIR** *


Does ADAM Need a Haircut? A Pilot Study of Self-Reported Drug Use and Hair Analysis in an Arrestee Sample  (full – 2002)  [http://jod.sagepub.com/content/32/1/97.full.pdf+html](http://jod.sagepub.com/content/32/1/97.full.pdf+html)


Cannabinoids in hair: strategy to prove marijuana/hashish consumption  (abst - 2004)  [http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T6W-4CVV8RB-1&_user=10&_origUdi=B6X0P-4XMKB9S-](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T6W-4CVV8RB-1&_user=10&_origUdi=B6X0P-4XMKB9S-)*
Deposition of cannabinoids in hair after long-term use of cannabis (abst - 2006)

Cannabinoid concentrations in hair from documented cannabis users. (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2274831/

Differentiation between drug use and environmental contamination when testing for drugs in hair (abst - 2007)
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T6W-4R2GRYJ-1&_user=10&_rdoc=1&_fmt=&_orig=search&_sort=d&view=c&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=03a3594850e79c7c2dad1bd10fb041bf

Evaluation of the IDS One-Step™ ELISA kits for the detection of illicit drugs in hair (abst - 2007)

Hair analysis for Delta9-tetrahydrocannabinolic acid A--new insights into the mechanism of drug incorporation of cannabinoids into hair. (abst - 2010)

11-nor-Delta9-tetrahydrocannabinol-9-carboxylic acid ethyl ester (THC-COOEt): unsuccessful search for a marker of combined cannabis and alcohol consumption. (abst – 2010)
http://www.unboundmedicine.com/medline/ebm/record/20074877/abstract/11_nor_Delta9_tetrahydrocannabinol_9_carboxylic_acid_ethyl_estер__THC_COOEt__unsuccessful_search_for_a_marker_of_combined_cannabis_and_alcohol_consumption

A study on the concentrations of 11-nor-Δ(9)-tetrahydrocannabinol-9-carboxylic acid (THCCOOH) in hair root and whole hair. (abst – 2011)

A comparative study on the concentrations of 11-nor-Δ(9)-tetrahydrocannabinol-9-carboxylic acid (THCCOOH) in head and pubic hair. (abst – 2011)

Detection and quantification of 11-nor-Δ9-tetrahydrocannabinol-9-carboxylic acid in hair by GC/MS/MS in Negative Chemical Ionization mode (NCI) with a simple and rapid liquid/liquid extraction (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/22036308/abstract/Detection_and_quantification_of_11_nor_Δ%CE%949_tetrahydrocannabinol_9_carboxylic_acid_in_hair_by_GC/MS/MS_in_Negative_Chemical_Ionization_mode__NCI__with_a_simple_and_rapid_liquid/liquid_extraction

The standardization of results on hair testing for drugs of abuse: An interlaboratory exercise in Lombardy Region, Italy. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/22018743/abstract/The_standardization_of_results_on_hair_testing_for_drugs_of_abuse:_An_interlaboratory_exercise_in_Lombardy_Region_Italy


Screening for synthetic cannabinoids in hair by using LC-QTOF MS: A new and powerful approach to study the penetration of these new psychoactive substances in the population.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/23842479


**DRUG TESTING - FINGERNAILS** *

Simultaneous determination of amphetamine-type stimulants and cannabinoids in fingernails by gas chromatography-mass spectrometry. (abst – 2008)


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**DRUG TESTING - OTHER** *

Wiping Up the Evidence  (news - 2000)


Comparison of meconium and neonatal hair analysis for detection of gestational exposure to drugs of abuse  (full - 2003)

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1721515/pdf/v088p00F98.pdf


Usefulness of Sweat Testing for the Detection of Cannabis Smoke  (full - 2004)

http://www.clinchem.org/cgi/content/full/50/11/1961

Determination of the prevalence of drug misuse by meconium analysis  (full - 2006)

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2672735/?tool=pubmed

Prevalence of gestational exposure to cannabis in a Mediterranean city by meconium analysis.  (abst - 2007)


Excretion of Δ9-tetrahydrocannabinol in sweat  (full - 2008)

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2277330/?tool=pubmed

Imaging of Latent Fingerprints through the Detection of Drugs and Metabolites (abst – 2008)


CSI: fingerprinting and drug detection in one  (news – 2008)


Drugs of abuse in airborne particulates in urban environments.  (abst – 2010)


Versatile new ion source for the analysis of materials in open air under ambient conditions.  (abst – 2011)


Evaluation of drugs of abuse use and trends in a prison through wastewater analysis.


**DRUG TESTING - ORAL**


Roadside oral fluid testing: Comparison of the results of Drugwipe tests with laboratory (abst - 2008) http://marijuana.researchtoday.net/archive/5/3/1351.htm


Method For Detecting 23 Drugs And Medicines In Saliva Developed (news - 2009) http://www.sciencedaily.com/releases/2009/02/090211122532.htm


Cannabinoids and metabolites in expectorated oral fluid after 8 days of controlled around-the-clock oral THC administration. (full - 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3842229/


Endocannabinoids measurement in human saliva as potential biomarker of obesity. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3409167/?tool=pubmed


7% of California Drivers Test Positive for Marijuana, but Are They Impaired? (news – 2012) http://healthland.time.com/2012/11/20/7-of-cal-drivers-test-positive-for-marijuana-but-are-they-impaired/?ixzz2IY4mBJet


LC/ESI-MS/MS method for quantification of 28 synthetic cannabinoids in neat oral fluid and its application to preliminary studies on their detection windows. (abst – 2013)

Micro extraction by packed sorbent coupled to liquid chromatography tandem mass spectrometry for the rapid and sensitive determination of cannabinoids in oral fluids (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23806358


Comparison of cannabinoid concentrations in oral fluid and whole blood between occasional and regular cannabis smokers prior to and after smoking a cannabis joint. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/24202191


**DRUG TESTING – URINE**


- Effects of Stealth adulterant on immunoassay testing for drugs of abuse. (full – 2002) [http://jat.oxfordjournals.org/content/25/6/466.long](http://jat.oxfordjournals.org/content/25/6/466.long)


- Urinary Cannabinoid Detection Times after Controlled Oral Administration of Δ9-Tetrahydrocannabinol to Humans (full - 2003) [http://www.clinchem.org/cgi/content/full/49/7/1114](http://www.clinchem.org/cgi/content/full/49/7/1114)


Passive Inhalation of Cannabis Smoke. (abst – 2004)  

The marijuana detection window: determining the length of time cannabinoids will remain detectable in urine following smoking: a critical review of relevant research and cannabinoid detection guidance for drug courts (full – 2005)  
http://dn2vfhykblonm.cloudfront.net/sites/default/files/thc_detection_window_1.pdf

http://jod.sagepub.com/content/35/4/941.full.pdf+html


Detection time of regular THC use in urine shorter than often assumed (news - 2006)  

The effects of adulterants and selected ingested compounds on drugs-of-abuse testing in urine. (full - 2007)  
http://ajcp.ascpjournals.org/content/128/3/491.long


Urine drug test interpretation: what do physicians know? (abst - 2007)  

Family physicians' proficiency in urine drug test interpretation. (abst - 2007)  

Toxicity From the Use of Niacin to Beat Urine Drug Screening (abst - 2007)  


Urinary elimination of 11-nor-9-carboxy-delta9-tetrahydrocannabinol in cannabis users during continuously monitored abstinence. (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2587336/?tool=pubmed

Substance Users Get Creative to Fool Drug Tests (news - 2008)
Interpreting Urine Cannabinoid Results Renewed vs Residual (full – 2009)

Do Delta(9)-tetrahydrocannabinol concentrations indicate recent use in chronic cannabis users? (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2784185/?tool=pmcentrez

Extended urinary Delta9-tetrahydrocannabinol excretion in chronic cannabis users precludes use as a biomarker of new drug exposure. (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2763020/?tool=pubmed

Identifying New Cannabis Use with Urine Creatinine-Normalized THCCOOH Concentrations and Time Intervals Between Specimen Collections. (full - 2009)

Short communication: Urinary excretion of 11-nor-9-carboxy-Delta(9)-tetrahydrocannabinol in a pregnant woman following heavy, chronic cannabis use. (letter - 2009)
http://jat.oxfordjournals.org/content/33/9/610.long

Urinary toxicological screening: Analytical interference between niflumic acid and cannabis. (abst - 2009)
http://www.unboundmedicine.com/medline/ebm/record/19716686/abstract/%5BUrinary_toxicological_screening:_Analytical_interference_between_niflumic_acid_and_cannabis_%5D

Evaluation of a Human On-site Urine Multidrug Test for Emergency Use With Dogs (abst - 2009)
http://www.jaaha.org/cgi/content/abstract/45/2/59?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=3200&resourcetype=HWT

Passive inhalation of cannabis smoke--is it detectable? (abst - 2009)

Urine Drug Screening: A Valuable Office Procedure (full – 2010)
http://www.aafp.org/afp/2010/0301/p635.html

Delta9-tetrahydrocannabinvarin testing may not have the sensitivity to detect marijuana use among individuals ingesting dronabinol. (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2815025/?tool=pubmed


http://marijuana.researchtoday.net/archive/7/1/2746.htm
Differentiating new cannabis use from residual urinary cannabinoid excretion in chronic, daily cannabis users.  (abst - 2010)  
http://www.unboundmedicine.com/medline/ebm/record/21134021/abstract/Differentiating_new_cannabis_use_from_residual_urinary_cannabinoid_excretion_in_chronic_daily_cannabis_users

Detection of cannabigerol and its presumptive metabolite in human urine after Cannabis consumption.  (abst - 2010)  

Screening for the synthetic cannabinoid JWH-018 and its major metabolites in human doping controls.  (abst - 2010)  

Now, There's a Test for That -- Norchem's "Fake Marijuana" Test Reveals Significantly Increased Abuse of Spice/K2  (news - 2010)  

The current status of community drug testing via the analysis of drugs and drug metabolites in sewage  (full – 2011)  


Zinc Reduces the Detection of Cocaine, Methamphetamine, and THC by ELISA Urine Testing.  (abst – 2011)  
Adults need 8 to 11 mg of zinc daily; over 40 mg/day can cause zinc poisoning.  

Concentrations of delta9-tetrahydrocannabinol and 11-nor-9-carboxy-tetrahydrocannabinol in blood and urine after passive exposure to Cannabis smoke in a coffee shop.  (abst - 2011)  

Quantitative measurement of JWH-018 and JWH-073 metabolites excreted in human urine.  (abst – 2011)  

Differentiating new cannabis use from residual urinary cannabinoid excretion in chronic, daily cannabis users.  (abst – 2011)  

Efavirenz interference in urine screening immunoassays for tetrahydrocannabinol.  (abst – 2011)  

NMS Labs & Cerilliant Announce Identification Of Major Metabolite Of The Synthetic Cannabinoid JWH-073  (news – 2011)  
http://www.medicalnewstoday.com/releases/226597.php

Ask Old Hippie: Will Cranberry Juice Help You Pass A Drug Test? (article – 2011)

Adolescent Exposure of JWH-018 “Spice” Produces Subtle Effects on Learning and Memory Performance in Adulthood (full – 2012)
http://file.scirp.org/Html/2-3900080_19505.htm

Unresolved Discrepancies between Cannabinoid Test Results for Infant Urine (full – 2012) http://www.clinchem.org/content/58/9/1364.full

Characterization of In Vitro Metabolites of CP 47,497, a Synthetic Cannabinoid, in Human Liver Microsomes by LC-MS/MS. (abst – 2012)


Elevated urine zinc concentration reduces the detection of methamphetamine, cocaine, THC and opiates in urine by EMIT.  (abst – 2013) Adults need 8 to 11 mg of zinc daily; over 40 mg/day can cause zinc poisoning.  http://www.unboundmedicine.com/medline/citation/23843421/Elevated_Urine_Zinc_Concentration_Reduces_the_Detection_of_Methamphetamine_Cocaine_THC_and_Opiates_in_Urine_by_EMIT.


Study: Imposition Of Per Se Limits For Drugs Don't Reduce Traffic Deaths (news – 2013)  http://norml.org/news/2013/01/17/study-imposition-of-per-se-limits-for-drugs-don-t-reduce-traffic-deaths


**DYSKINESIA**


DYSTONIA *

A Dramatic Response to Inhaled Cannabis in a Woman with Central Thalamic Pain and Dystonia (full - 2002) http://www.jpsmjournal.com/article/PIIS0885392402004268/fulltext


Dronabinol for the treatment of unspecific pain, restlessness and spasticity in neuropaeiatrics  
(abst – 2010)  

Tardive Dystonia and the Use of Cannabis  
(letter/ forum repost - 2010)  

Effects of cannabinoid CB(1) receptor agonism and antagonism on SKF81297-induced dyskinesia and haloperidol-induced dystonia in Cebus apella monkeys.  
(abst – 2011)  

**ECZEMA**

Skin Complaint Man Grew Cannabis  
(news/ anecdotal- 2004)  
http://www.mapinc.org/drugnews/v04.n1222.a09.html

Want Nice Skin? Then Smoke Cannabis!  
(news/ forum repost – 2007)  

Cannabis helps treat allergic reactions  
(news - 2007)  
http://www.safeaccessnow.org/article.php?id=4768

Cannabis compound reduces skin allergies in mice  
(news – 2007)  
(may need registration)  

Cannabinoids Reduce Skin Inflammation  
(news - 2007)  
http://www.norml.org/index.cfm?Group_ID=7284&wtml_format=print

Marijuana Skin Cream?  
(news - 2007)  
http://www.drugfree.org/join-together/drugs/marijuana-skin-cream

(abst – 2008)  

Hemp Seed Oil Benefits  
(news – 2009)  
http://www.livestrong.com/article/31903-hemp-seed-oil-benefits/

Medical Marijuana and Eczema  
(news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/131?ailment=eczema

Hemp Oil Benefits for Skin  
(news – 2010)  
http://www.livestrong.com/article/137621-hemp-oil-benefits-skin/
Hemp Seed Oil for Skin (news – 2010)
http://www.livestrong.com/article/340189-hemp-seed-oil-for-skin/

The Cannabis Closet: Severe Eczema (anecdotal - 2010)
http://andrewsullivan.theatlantic.com/the_daily_dish/2010/05/the-cannabis-closet-severe-eczema.html

Hemp Seed Oil For Eczema – Cures From The Inside Out (news/ anecdotal – 2012)

Epigenetic Control of Skin Differentiation Genes by Phytocannabinoids (abst – 2013)

**EDEMA**


Cannabinoid CB(2) receptor activation prevents bronchoconstriction and airway oedema in a model of gastro-oesophageal reflux. (abst - 2007)

The cannabinoid receptor-2 is involved in allergic inflammation (abst – 2012)


Activation of cortical type 2 cannabinoid receptors ameliorates ischemic brain injury (news – 2013) http://www.sciencedaily.com/releases/2013/02/130221141140.htm

Cannabinoid Trans-Caryophyllene Protects Brain Cells From Ischemia (news – 2013)
http://www.medicalnewstoday.com/articles/256799.php
**EHLERS-DANLOS SYNDROME**

Ehlers Danlos Syndrome - Cannabis Symptom Relief (news – undated)  
http://medicalmarijuana.com/medical-uses/condition.cfm?conID=53

Ehlers-Danlos syndrome (full – 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1962838/

Ehlers-Danlos Syndrome (anecdotal/news- 2010)  
http://andrewsullivan.theatlantic.com/the_daily_dish/2010/05/the-cannabis-closet-chronic-joint-pain.html

The Cannabis Closet: Chronic Joint Pain (anecdotal/news- 2010)  

Schneider: Lansing mom says son's legal marijuana use unfairly stigmatized (anecdotal/news - 2010)  

Medicinal Marijuana: A Patient-Driven Phenomenon (anecdotal/news - 2010)  

Patient’s Corner - Pat Cavanaugh  (p. 4 - anecdotal/news - 2011)  

Panelists debate state of medical marijuana in RI (news – 2012)  
http://www.browndailyherald.com/2012/04/05/panelists-debate-state-of-medical-marijuana-in-ri/

**ENCEPHALITIS**

CB2 receptors in the brain: role in central immune function  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219530/?tool=pmcentrez

Cannabinoid CB2 receptors in human brain inflammation  (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219537/

A synthetic cannabinoid agonist promotes oligodendrogliogenesis during viral encephalitis in rats  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2981070/?tool=pubmed

Cannabidiol reduces lipopolysaccharide-induced vascular changes and inflammation in the mouse brain: an intravital microscopy study (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3034694/?tool=pmcentrez
ENCEPHALOMYELITIS/ EAE * - a mouse model for multiple sclerosis

Immunoregulation of a viral model of multiple sclerosis using the synthetic cannabinoid R(+)-WIN55,212  (full - 2003)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC152941/?tool=pmcentrez

Cannabinoid-receptor 1 null mice are susceptible to neurofilament damage and caspase 3 activation.  (abst – 2005)  http://www.ncbi.nlm.nih.gov/pubmed/15953683

Experimental autoimmune encephalomyelitis disrupts endocannabinoid-mediated neuroprotection  (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1458883/?tool=pmcentrez

The endocannabinoid system is dysregulated in multiple sclerosis and in experimental autoimmune encephalomyelitis  (full - 2007)
http://brain.oxfordjournals.org/cgi/content/full/awm160v1

Control of Spasticity in a Multiple Sclerosis Model is mediated by CB1, not CB2, Cannabinoid Receptors  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2189718/?tool=pmcentrez

CB2 cannabinoid receptors as an emerging target for demyelinating diseases: from neuroimmune interactions to cell replacement strategies  (full - 2007)

A Cannabinoid CB2 receptor agonist attenuates experimental autoimmune encephalomyelitis (EAE) and reduces MOG-specific T cell proliferation  (abst - 2007)
http://www.fasebj.org/cgi/content/meeting_abstract/21/6/A1393-c?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=800&resourcetype=HWCIT

The CB(2) cannabinoid receptor controls myeloid progenitor trafficking: involvement in the pathogenesis of an animal model of multiple sclerosis.  (full - 2008)
http://www.jbc.org/content/283/19/13320.long

CB2 cannabinoid receptors as an emerging target for demyelinating diseases: from neuroimmune interactions to cell replacement strategies  (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219542/
Cannabinoids in the management of spasticity associated with multiple sclerosis (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2626929/?tool=pmcentrez

Modulation of cannabinoid receptor activation as a neuroprotective strategy for EAE and stroke. (full – 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2855650/?tool=pubmed

Administration of 2-arachidonoylglycerol ameliorates both acute and chronic Experimental Autoimmune Encephalomyelitis (abst – 2011) http://www.unboundmedicine.com/medline/ebm/record/21406188/abstract/Administration_of_2_arachidonoylglycerol_ameliorates_both_acute_and_chronic_Experimental_Autoimmune_Encephalomyelitis


Cannabinoid receptor-2-selective agonists improve recovery in experimental autoimmune encephalomyelitis (abst – 2012) http://www.jimmunol.org/cgi/content/meeting_abstract/188/1_MeetingAbstracts/116.7?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=130&sortspec=date&resourcetype=HWCT


Cannabinoid receptor 2 agonists inhibit migration of activated dendritic cells via modulation of MMP-9 (abst – 2012) http://www.jimmunol.org/cgi/content/meeting_abstract/188/1_MeetingAbstracts/173.23?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=130&sortspec=date&resourcetype=HWCT

Genetic Background Can Result in a Marked or Minimal Effect of Gene Knockout (GPR55 and CB2 Receptor) in Experimental Autoimmune Encephalomyelitis Models of Multiple Sclerosis. (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0076907


Selective CB2 receptor activation ameliorates EAE by reducing Th17 differentiation and immune cell accumulation in the CNS. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/24342422

Pre- and postsynaptic type-1 cannabinoid receptors control the alterations of glutamate transmission in experimental autoimmune encephalomyelitis. (abst – 2014)
ENDOMETRIOSIS

Bipolar Disorder and Endometriosis by Anonymous (anecdotal – undated)  
http://rxmarijuana.com/shared_comments/Endometriosis4.htm

Endometriosis by Kim (anecdotal – undated)  
http://rxmarijuana.com/shared_comments/Endometriosis.htm

Selective CB2 up-regulation in women affected by endometrial inflammation (full – 2008)  

Effect of palmitolethanolamide-polydatin combination on chronic pelvic pain associated with endometriosis: preliminary observations. (abst – 2010)  

Antiproliferative effects of cannabinoid agonists on deep infiltrating endometriosis. (abst - 2010)  

Endocannabinoid involvement in endometriosis. (abst – 2010)  

Cannabinoids May Provide Treatment for Endometriosis (news – 2011)  
http://greencrosscenter.com/marijuana-card-doctor/2011/10/cannabinoids-may-provide-treatment-for-endometriosis/

Antiproliferative Effects of Cannabinoid Agonists on Deep Infiltrating Endometriosis (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2993285/?tool=pubmed

Δ9-Tetrahydrocannabinol and N-arachidonyl glycine are full agonists at GPR18 receptors and induce migration in human endometrial HEC-1B cells (full – 2012)  

The molecular connections between the cannabinoid system and endometriosis (full – 2012)  
http://molehr.oxfordjournals.org/content/18/12/563.full

Progesterone-dependent regulation of endometrial cannabinoid receptor type 1 (CB1-R) expression is disrupted in women with endometriosis and in isolated stromal cells exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). (abst – 2012)  


**EPIDIDYMITIS**


**EPIDIOLEX** - a CBD-based RSO used for epilepsy


**EPILEPSY/SEIZURES** *

Marijuana and Epilepsy (anecdotal- undated) http://www.rxmarihuana.com/epilepsy.htm

Treatment with CBD in oily solution of drug-resistant paediatric epilepsies. (abst - 2001)
Anticonvulsant activity of N-palmitoylethanolamide, a putative endocannabinoid, in mice. (abst – 2001)  

Alcohol and marijuana: effects on epilepsy and use by patients with epilepsy. (abst – 2001)  

The Endogenous Cannabinoid System Regulates Seizure Frequency and Duration in a Model of Temporal Lobe Epilepsy  
(http - 2003)  
http://jpet.aspetjournals.org/content/307/1/129.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&resourcetype=HWCIT

Experiences with THC-treatment in children and adolescents  
(abst - 2003)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=80

On the application of cannabis in paediatrics and epileptology. (abst - 2003)  

Cannabis may help epileptics  
(news - 2003)  
http://www.medicalnewstoday.com/articles/4423.php

Cannabis 'could help epileptics'  
(news - 2003)  
http://news.bbc.co.uk/2/hi/health/3162000.stm

Marijuana Use More Prevalent With Epilepsy  
(needs free registration)  
(news - 2003)  

Endocannabinoids and Their Implications for Epilepsy  
(full - 2004)  

Cannabinoids: Defending the Epileptic Brain  
(full - 2004)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1176332/?tool=pmcentrez

Marijuana use and epilepsy - Prevalence in patients of a tertiary care epilepsy center  
(abst - 2004)  
http://www.neurology.org/cgi/content/abstract/62/11/2095?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=marihuana&searchid=1&FIRSTINDEX=1760&resourcetype=HWCIT

Epilepsy patients are smoking pot  
(news/forum repost - 2004)  

Selective antiepileptic effects of N-palmitoylethanolamide, a putative endocannabinoid.  
(abst – 2005)  

Cannabinoids as potential anti-epileptic drugs. (abst – 2005)

Not Too Excited? Thank Your Endocannabinoids (full - 2006)

Forebrain-Specific Inactivation of Gq/G11 Family G Proteins Results in Age-Dependent Epilepsy and Impaired Endocannabinoid Formation (full - 2006)
http://mcb.asm.org/cgi/content/full/26/15/5888?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=endocannabinoid&searchid=1&FIRSTINDEX=1360&resourcetype=HWCIT

The Endocannabinoid System Controls Key Epileptogenic Circuits in the Hippocampus (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1769341/?tool=pmcentrez

Cannabinoid CB1 receptor antagonists cause status epilepticus-like activity in the hippocampal neuronal culture model of acquired epilepsy (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1808496/?tool=pmcentrez

Activation of the Cannabinoid Type-1 Receptor Mediates the Anticonvulsant Properties of Cannabinoids in the Hippocampal Neuronal Culture Models of Acquired Epilepsy and Status Epileptics (full - 2006)
http://jpet.aspetjournals.org/content/317/3/1072.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT#ref-list-1

Cannabinoids In Medicine: A Review Of Their Therapeutic Potential (full – 2006)

Arachidonyl-2'-chloroethylamide, a highly selective cannabinoid CB1 receptor agonist, enhances the anticonvulsant action of valproate in the mouse maximal electroshock-induced seizure model. (abst – 2006)

Brain's Cannabinoid System 'Mellows' Seizures (news - 2006)
http://www.sciencedaily.com/releases/2006/08/060817103710.htm

Brain's cannabinoid system fights seizures (news – 2006)

Development of pharmacoresistance to benzodiazepines but not cannabinoids in the hippocampal neuronal culture model of status epilepticus (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2094113/?tool=pmcentrez

Endocannabinoids block status epilepticus in cultured hippocampal neurons (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2617750/?tool=pmcentrez
Downregulation of the CB1 Cannabinoid Receptor and Related Molecular Elements of the Endocannabinoid System in Epileptic Human Hippocampus (full - 2007) 
http://www.jneurosci.org/cgi/content/full/28/12/2976?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HWCIT

Marijuana: an effective antiepileptic treatment in partial epilepsy? (abst - 2007) 

Ultra-low dose cannabinoid antagonist AM251 enhances cannabinoid anticonvulsant effects in the pentyleneetetrazole-induced seizure in mice. (abst – 2007) 

In Vitro Anticonvulsant Action of 2-Arachidonyl Glycerol (abst – 2007) 

Rimonabant: safety issues (news – 2007) 
http://www.xagena.it/news/medicinenews_net_news/09a11be6989d5a0e438dd9e589210a79.html

The phytocannabinoid Delta(9)-tetrahydrocannabivarin modulates inhibitory neurotransmission in the cerebellum. (full – 2008) 
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2438968/?tool=pubmed

The cannabinoid anticonvulsant effect on pentyleneetetrazole-induced seizure is potentiated by ultra-low dose naltrexone in mice (abst – 2008) 

The effects of intracerebroventricular AM-251, a CB1-receptor antagonist, and ACEA, a CB1-receptor agonist, on penicillin-induced epileptiform activity in rats. (full – 2009) 

Prolonged exposure to WIN55,212-2 causes downregulation of the CB1 receptor and the development of tolerance to its anticonvulsant effects in the hippocampal neuronal culture model of acquired epilepsy. (full – 2009) 
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2757117/?tool=pubmed

Effect of arachidonyl-2'-chloroethylamide, a selective cannabinoid CB1 receptor agonist, on the protective action of the various antiepileptic drugs in the mouse maximal electroshock-induced seizure model. (abst – 2009) 

Involvement of nitrergic system in the anticonvulsant effect of the cannabinoid CB(1) agonist ACEA in the pentyleneetetrazole-induced seizure in mice. (abst – 2009) 

Cannabinoid receptor activation reverses kainate-induced synchronized population burst firing in rat hippocampus (abst – 2009) 
Medical Marijuana and Epilepsy  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/79?ailment=epilepsy

Cannabidiol Displays Antiepileptiform and Antiseizure Properties In Vitro and In Vivo  (full - 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2819831/?tool=pmcentrez


AAV vector-mediated overexpression of CB1 cannabinoid receptor in pyramidal neurons of the hippocampus protects against seizure-induced excitotoxicity.  (full – 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3006205/?tool=pubmed


Redistribution of CB1 Cannabinoid Receptors in the Acute and Chronic Phases of Pilocarpine-Induced Epilepsy  (full – 2011)  http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0027196

Convulsions Associated with the Use of a Synthetic Cannabinoid Product.  (link to PDF– 2011)  http://www.springerlink.com/content/9651q2672027n38g/fulltext.html


Synthetic cannabinoid WIN 55,212-2 mesylate enhances the protective action of four classical antiepileptic drugs against maximal electroshock-induced seizures in mice.  (abst – 2011)  http://www.unboundmedicine.com/medline/ebm/record/21238473/abstract/Synthetic_cannabinoid_WIN_5_5212_2_mesylate_enhances_the_protective_action_of_four_classical_antiepileptic_drugs_against_maximal_electroshock_induced_seizures_in_mice

L-Type Calcium Channel Mediates Anticonvulsant Effect of Cannabinoids in Acute and Chronic Murine Models of Seizure. (abst – 2011)  

Changes in the cannabinoid (CB1) receptor expression level and G-protein activation in kainic acid induced seizures. (abst – 2011)  

In vivo activation of endocannabinoid system in temporal lobe epilepsy with hippocampal sclerosis. (abst – 2011)  

Marijuana, endocannabinoids, and epilepsy: Potential and challenges for improved therapeutic intervention. (abst - 2011)  

Cannabis could help treat epilepsy (news – 2011)  

Cannabis could be used to treat epilepsy (news – 2011)  
http://www.telegraph.co.uk/science/science-news/8440303/Cannabis-co.jpg

New research provides hope for those with epilepsy (news - 2011)  

Neuron to Astrocyte Communication via Cannabinoid Receptors Is Necessary for Sustained Epileptiform Activity in Rat Hippocampus (full – 2012)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0037320

Cannabidivarin is anticonvulsant in mouse and rat. (full – 2012)  

http://www.freshpatents.com/-dt20120105ptan20120004251.php

Cannabinoid receptor 1 inhibition causes seizures during anesthesia induction in experimental sepsis. (full – 2012)  
http://journals.lww.com/anesthesia-analgesia/Fulltext/2012/06000/Cannabinoid_Receptor_1_Inhibition_Causes_Seizures.12.aspx

Acetaminophen inhibits status epilepticus in cultured hippocampal neurons. (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3052417/

Inverse relationship of cannabimimetic (R+)WIN 55, 212 on behavior and seizure threshold during the juvenile period. (abst – 2012)  

Equipotent Inhibition of Fatty Acid Amide Hydrolase and Monoacylglycerol Lipase - Dual Targets of the Endocannabinoid System to Protect against Seizure Pathology. (abst – 2012)  


Inverse relationship of cannabimimetic (R+)-WIN 55, 212 on behavior and seizure threshold during the juvenile period (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22019959


Alterations of endocannabinoids in cerebrospinal fluid of dogs with epileptic seizure disorder. (full – 2013) http://www.biomedcentral.com/content/pdf/1746-6148-9-262.pdf

Cannabidivarin (CBDV) suppresses pentylenetetrazole (PTZ)-induced increases in epilepsy-related gene expression. (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3840466/


Cannabinoid 1 receptor as therapeutic target in preventing chronic epilepsy (abst – 2013) http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/660.2?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad


Therapeutic potential of cannabinoid medicines. (abst – 2013)  

Cannabidivarin-rich cannabis extracts are anticonvulsant in mouse and rat via a CB1 receptor-independent mechanism. (abst – 2013)  

Epidiolex - GW Pharmaceuticals (drug development page – 2013)  
http://www.gwpharm.com/Epidiolex.aspx

Science/Animal: CBD inhibits the activity of a certain liver enzyme (news – 2013)  

Cannabis Anti-Convulsant Shakes up Epilepsy Treatment (news – 2013)  
http://www.thecompassionchronicles.com/2013/01/26/cannabis-anti-convulsant-shakes-up-epilepsy-treatment/

New cannabis discovery could lead to better treatments for epilepsy (news – 2013)  
http://www.reading.ac.uk/news-and-events/releases/PR464765.aspx

Parents of epileptic N.J. tot lament medical marijuana delays (news – 2013)  

Medical Marijuana for Kids? Some Praise Results While Others Worry About Risks (news – 2013)  
http://www.cnbc.com/id/100876423

New therapy for fragile X chromosome syndrome discovered (news – 2013)  
http://www.sciencecodex.com/new_therapy_for_fragile_x_chromosome_syndrome_discovered-110170

Charlotte’s Web Of Suffering: Six-Year-Old Colorado Girl With Dravet Syndrome Finds Relief From Marijuana High In CBD (news – 2013)  

Toronto family hopes for access to controversial treatment to cure baby’s rare epilepsy (news – 2013)  

New Study: Cannabinoids Protect the Brain and Heart From Injury (news – 2013)  
http://www.science20.com/news_articles/thc_can_prevent_brain_damage_study-113512

Families of children with epilepsy moving to Colorado, drawn by success of marijuana oil (news – 2013)  

Families migrate to Colorado for marijuana miracle (news – 2013)  
Comes Now Epidiolex (FDA approves IND studies of CBD)  (news – 2013)

Pharmaceuticals Provides Update on Orphan Program in Childhood Epilepsy for Epidiolex®  (news – 2013)

Cannabis-Based Epilepsy Drug Approved For Clinical Trials  (news – 2013)

OBTAINING EPIDIOLEX™ IN THE U.S.  (news – 2013)
http://www.dravetfoundation.org/dravet-syndrome/consider-dravet/obtaining-epidiolex

Endogenous Signaling by Omega-3 Docosahexaenoic Acid-derived Mediators Sustains Homeostatic Synaptic and Circuitry Integrity.  (abst – 2014)
http://www.bioportfolio.com/resources/pmarticle/229933/Endogenous-Signaling-By-Omega-3-Docosahexaenoic-Acid-derived-Mediators-Sustains-Homeostatic-Synaptic.html

**EXERCISE and the ENDOCANNABINOID SYSTEM** *

Exercise activates the endocannabinoid system.  (abst – 2003)

Endocannabinoids and exercise.  (full – 2004)
http://bjsm.bmj.com/content/38/5/536.long

Runner's High  (news – 2004)
http://www.runnersworld.com/article/0%2C7120%2Cs6-243-297--1102-0%2C00.html

Study links marijuana buzz to 'runner's high'  (news – 2004)

Study: Exercise Produces Cannabinoids  (news – 2004)
http://www.drugfree.org/join-together/drugs/study-exercise-produces

Voluntary Exercise and Sucrose Consumption Enhance Cannabinoid CB1 Receptor Sensitivity in the Striatum  (full – 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3055381/?tool=pubmed

Endocannabinoids and voluntary activity in mice: runner's high and long-term consequences in emotional behaviors.  (abst – 2010)
Aerobic Exercise Training Reduces Cannabis Craving and Use in Non-Treatment Seeking Cannabis-Dependent Adults (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3050879/?tool=pmcentrez

Adipose tissue endocannabinoid system gene expression: depot differences and effects of diet and exercise (full – 2011)  
http://www.lipidworld.com/content/10/1/194

Effects of exercise stress on the endocannabinoid system in humans under field conditions. (abst – 2011)  

Naloxone and rimonabant reduce the reinforcing properties of exercise in rats. (abst – 2011)  

Intense exercise increases circulating endocannabinoid and BDNF levels in humans—Possible implications for reward and depression (abst – 2011)  
http://www.psyneuen-journal.com/article/PIIS0306453011002873/abstract?rss=yes

Cure for the Munchies? Exercise Cuts Marijuana Cravings (news – 2011)  

Exercise can reduce cannabis use in persons who don’t want to stop (news – 2011)  

The role of the endocannabinoid system in skeletal muscle and metabolic adaptations to exercise: potential implications for the treatment of obesity. (abst – 2012)  

Wired to run: exercise-induced endocannabinoid signaling in humans and cursorial mammals with implications for the 'runner's high'. (abst – 2012)  

Exercise-induced endocannabinoid signaling is modulated by intensity. (abst – 2012)  

Ventral Tegmental Area Cannabinoid Type-1 Receptors Control Voluntary Exercise Performance. (abst – 2012)  

'Runner's High' may have played role in evolutionary history of humans (news – 2012)  
http://fin.news.yahoo.com/runners-high-may-played-role-evolutionary-history-humans-105030765.html

It hurts so good: the runner’s high (news – 2012)  
http://blogs.scientificamerican.com/scicurious-brain/2012/03/12/it-hurts-so-good-the-runners-high/

Voluntary Running in Young Adult Mice Reduces Anxiety-Like Behavior and Increases the Accumulation of Bioactive Lipids in the Cerebral Cortex (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0081459
The effects of caffeine, nicotine, ethanol, and tetrahydrocannabinol on exercise performance  (full – 2013)  http://www.nutritionandmetabolism.com/content/10/1/71


Why resolutions about taking up physical activity are hard to keep.  (news – 2013)  http://www.thefreelibrary.com/Why+resolutions+about+taking+up+physical+activity+are+hard+to+keep.-a0313904638


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FAMILIAL MEDITERRANEAN FEVER  – Pre-2000 List

FERTILITY/ SEXUAL FUNCTION *


Inhibitory effects of the cannabinoid agonist HU 210 on rat sexual behaviour.
Dysregulated Cannabinoid Signaling Disrupts Uterine Receptivity for Embryo Implantation (full - 2001) http://www.jbc.org/content/276/23/20523.full


Contrasting effects of WIN 55212-2 on motility of the rat bladder and uterus. (full – 2002) http://www.jneurosci.org/content/22/16/7147.long

Low fatty acid amide hydrolase and high anandamide levels are associated with failure to achieve an ongoing pregnancy after IVF and embryo transfer (full – 2002) http://molehr.oxfordjournals.org/content/8/2/188.full


Mouse blastocysts release a lipid which activates anandamide hydrolase in intact uterus (full – 2004) http://molehr.oxfordjournals.org/content/10/4/215.full

Idiopathic infertility: susceptibility of spermatozoa to in-vitro capacitation, in the presence and the absence of palmitylethanolamide (a homologue of anandamide), is strongly correlated with membrane polarity studied by Laurdan fluorescence (full – 2003) http://molehr.oxfordjournals.org/content/9/7/381.full


Stage-variations of anandamide hydrolase activity in the mouse uterus during the natural oestrus cycle (full - 2006) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1440866/?tool=pubmed


Acomplia may be dangerous for women of reproductive age (news – 2006) http://www.xagena.it/news/medicinenews_net_news/1ef4c899cd6f0d5cae3a2ea3a91adc1c.html

Synthetic Cannabinoid May Aid Fertility In Smokers (news - 2006) http://www.medicalnewstoday.com/articles/58063.php


The role of the endocannabinoid system in gametogenesis, implantation and early pregnancy (full - 2007) http://humupd.oxfordjournals.org/cgi/content/full/13/5/501?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=960&resourcetype=HWCIT

Role of the nitric oxide pathway and the endocannabinoid system in neurogenic relaxation of corpus cavernosum from biliary cirrhotic rats (full – 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2013996/


Loss of Cannabinoid Receptor CB1 Induces Preterm Birth (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2553193/?tool=pmcentrez

Expression of the Endocannabinoid System in Human First Trimester Placenta and Its Role in Trophoblast Proliferation (full – 2008) http://endo.endojournals.org/content/149/10/5052.full?sid=f5b14012-9fbc-4f10-890c-386313060cf8

CB2 receptors in reproduction (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219526/
Effect of biliary cirrhosis on nonadrenergic noncholinergic-mediated relaxation of rat corpus cavernosum: Role of nitric oxide pathway and endocannabinoid system  
(abst – 2008)  
http://journals.tums.ac.ir/abs.aspx?culture_var=en&journal_id=9&org_id=59&manuscript_id=6272

Interplay between endocannabinoids, steroids and cytokines in the control of human reproduction.  (abst - 2008)  

Localisation and Function of the Endocannabinoid System in the Human Ovary  
(full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2640464/?tool=pmcentrez

Spatio-temporal expression patterns of anandamide-binding receptors in rat implantation sites: evidence for a role of the endocannabinoid system during the period of placental development  (full – 2009)  
http://www.rbej.com/content/7/1/121

The endocannabinoid system in bull sperm and bovine oviductal epithelium: role of anandamide in sperm-oviduct interaction.  (full - 2009)  
http://www.reproduction-online.org/cgi/content/full/137/3/403

The endocannabinoid 2-arachidonoylglycerol promotes sperm developement through activation of cannabinoid-2 receptors  (full – 2009)  

Fluctuation in anandamide levels from ovulation to early pregnancy in in-vitro fertilization-embryo transfer women, and its hormonal regulation  (full – 2009)  
http://humrep.oxfordjournals.org/content/24/8/1989.long

The endocannabinoid system: an ancient signaling involved in the control of male fertility.  (abst – 2009)  

Cannabinoid/Endocannabinoid signaling impact on early pregnancy events.  
(abort - 2009)  

Medical Marijuana and Prostatitis  (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/157?ailment=prostatitis

Charactetization of the Endocannabinoid System in Human Spermatozoa and Involvement of Transient Receptor Potential Vanilloid 1 Receptor in Their Fertilizing Ability  (full – 2010)  
http://endo.endojournals.org/content/150/10/4692.full?sid=f5b14012-9fbe-4f10-890c-386313060cf8

N-Acylethanolamine Levels and Expression of Their Metabolizing Enzymes during Pregnancy  (full – 2010)  
http://endo.endojournals.org/content/151/8/3965.full

Cannabinoids and Reproduction: A Lasting and Intriguing History  
(link to PDF – 2010)  
http://www.mdpi.com/1424-8247/3/10/3275
From Fertilisation to Implantation in Mammalian Pregnancy—Modulation of Early Human Reproduction by the Endocannabinoid System (link to PDF – 2010)

Endocannabinoids and Human Sperm Cells (link to PDF - 2010)
http://www.mdpi.com/1424-8247/3/10/3200


Endocannabinoids and pregnancy. (abst – 2010)

Anandamide capacitates bull spermatozoa through CB1 and TRPV1 activation. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3037938/?tool=pubmed

Endogenous Cannabinoid Production in the Rat Female Reproductive Tract Is Regulated by Changes in the Hormonal Milieu (link to PDF – 2011)
http://www.mdpi.com/1424-8247/4/6/933


My Green Valentine: Sex and marijuana (interview – 2011)


Minireview: Endocannabinoids and Gonadal Hormones: Bidirectional Interactions in Physiology and Behavior (full – 2012)


Endocannabinoid signaling in female reproduction. (abst – 2012)  

Anandamide Transforms Noncopulating Rats into Sexually Active Animals.  
(abst – 2012)  

Impact of reference gene selection for type 2 cannabinoid receptor gene expression studies in human spermatozoa  
(abst – 2012)  

Anandamide regulates the expression of GnRH1, GnRH2, and GnRH-Rs in frog testis  
(abst – 2012)  

Ectopic pregnancy is associated with high anandamide levels and aberrant expression of FAAH and CB1 in fallopian tubes.  
(abst – 2012)  

Uncovering a role for endocannabinoid signaling in autophagy in preimplantation mouse embryos  
(abst – 2012)  
http://molehr.oxfordjournals.org/content/19/2/93.abstract

The role of endocannabinoids in gonadal function and fertility along the evolutionary axis.  
(abst – 2012)  

Long-term use of HU210 adversely affects spermatogenesis in rats by modulating the endocannabinoid system  
(abst – 2012)  

Impact of reference gene selection for type 2 cannabinoid receptor gene expression studies in human spermatozoa  
(abst – 2012)  

Implantation failure in mice with a disruption in Phospholipase C beta 1 gene: lack of embryonic attachment, aberrant steroid hormone signalling and defective endocannabinoid metabolism  
(abst – 2012)  
http://molehr.oxfordjournals.org/content/19/5/290.abstract?sid=2b139c7f-6412-4e33-a776-fa513641fd18

Anandamide Levels Fluctuate in the Bovine Oviduct during the Oestrous Cycle.  
(full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0072521

Embryonic diapause in humans: time to consider?  
(full – 2013)  
http://www.rbej.com/content/11/1/92

Role of the Endocannabinoid System in the Central Regulation of Nonmammalian Vertebrate Reproduction  
(full – 2013)  
http://www.hindawi.com/journals/ije/2013/941237/

Estrogens and Spermiogenesis: New Insights from Type 1 Cannabinoid Receptor Knockout Mice.  
(full – 2013)  
http://www.hindawi.com/journals/ije/2013/501350/
Endocannabinoids as markers of sperm quality: hot spots  (full – 2013)  


The Endocannabinoid System and Spermatogenesis.  (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3864102/  

http://www.ncbi.nlm.nih.gov/pubmed/23372171  


Low 17beta-Estradiol Levels in Cnr1 Knock-Out Mice Affect Spermatid Chromatin Remodeling by Interfering with Chromatin Reorganization.  (abst – 2013)  

Anandamide modulates human sperm motility: implications for men with asthenozoosperma and oligoasthenoteratozoosperma.  (abst – 2013)  

Synthetic cannabinoids and potential reproductive consequences.  (abst – 2013)  

Of mice and (wo)men: factors influencing successful implantation including endocannabinoids.  (abst – 2013)  

A role for endocannabinoids in acute stress-induced suppression of the hypothalamic-pituitary-gonadal axis in male rats.  (abst – 2014)  

FEVER/ TEMPERATURE CONTROL *  

CB1 Receptors in the Preoptic Anterior Hypothalamus Regulate WIN 55212-2 [((4,5-Dihydro-2-methyl-4(4-morpholinylmethyl)-1-(1-naphthalenyl-carbonyl)-6H-pyrrolo[3,2,1ij]quinolin-6-one)-Induced Hypothermia  (full - 2002)  
http://jpet.aspetjournals.org/content/301/3/963.full  

Drug-Induced Hypothermia Reduces Ischemic Damage  (full - 2003)  
http://stroke.ahajournals.org/cgi/content/full/34/8/2000?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&resourcetype=HWCT
Cannabinoids prevent the acute hyperthermia and partially protect against the 5-HT depleting effects of MDMA ("Ecstasy") in rats. (abst - 2004)  

Effects of cannabinoids on hypothalamic and reproductive function. (abst – 2005)  

A Cooling Effect From Cannabis? (news - 2005)  

Marijuana Might Really Make You Cool (news - 2005)  

A Novel Role of Cannabinoids: Implication in the Fever Induced by Bacterial Lipopolysaccharide (full - 2007)  
http://jpet.aspetjournals.org/cgi/content/full/320/3/1127

Effects of a Selective Cannabinoid Agonist and Antagonist on Body Temperature in Rats (abst - 2007)  
http://www.fasebj.org/cgi/content/meeting_abstract/21/5/A409?maxtoshow=&hits=80&RESULTFORMA T==&fulltext=cannabinoid&searchid=1&FIRSTINDEX=800&resourcetype=HWCIT

Repeated Treatment with Cannabidiol but Not Delta9-tetrahydrocannabinol Has a Neuroprotective Effect Without the Development of Tolerance (abst - 2007)  

Behavioral and temperature effects of delta 9-tetrahydrocannabinol in human-relevant doses in rats (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2613277/?tool=pmcentrez

Endogenous cannabinoids induce fever through the activation of CB1 receptors. (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2765314/?tool=pubmed

Pharmacologically induced hypothermia with cannabinoid receptor agonist WIN55, 212-2 after cardiopulmonary resuscitation (abst – 2010)  
http://journals.lww.com/ccmjournal/Abstract/2010/12000/Pharmacologically_induced_hypothermia_with_2.aspx

Contribution of Hypothermia and CB(1) Receptor Activation to Protective Effects of TAK-937, a Cannabinoid Receptor Agonist, in Rat Transient MCAO Model. (full– 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3397930/?tool=pubmed

Cannabinoid 1 (CB1) receptor mediates WIN55, 212-2 induced hypothermia and improved survival in a rat post-cardiac arrest model. (abst – 2012)  

Δ9-Tetrahydrocannabinol acts as a partial agonist/antagonist in mice. (abst – 2012)  
Determination of naphthalen-1-yl-(1-pentylinindol-3-yl)methanone (JWH-018) in mouse blood and tissue after inhalation exposure to ‘buzz’ smoke by HPLC/MS/MS (abst – 2012)  

Cannabinoids May Help Prevent MDMA induced brain damage  (news – 2012)  

Dissociation of the Pharmacological Effects of THC by mTOR Blockade.  (abst – 2013)  

Behavioral Responses to Acute and Sub-chronic Administration of the Synthetic Cannabinoid JWH-018 in Adult Mice Prenatally Exposed to Corticosterone.  (abst – 2013)  

Tolerance and cross-tolerance among high-efficacy synthetic cannabinoids JWH-018 and JWH-073 and low-efficacy phytocannabinoid Δ9-THC  (abst – 2013)  
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1097.1?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad

Cannabinoid (CB)1 receptors are critical for the innate immune response to TLR4 stimulation.  (abst – 2013)  

Improved Cardiac and Neurologic Outcomes With Postresuscitation Infusion of Cannabinoid Receptor Agonist WIN55, 212-2 Depend on Hypothermia in a Rat Model of Cardiac Arrest*.  (abst – 2013)  

Effect of intermittent cold exposure on brown fat activation, obesity, and energy homeostasis in mice.  (abst – 2014)  

**FIBROMYALGIA**

Cannabis Sativa (Marijuana) for Fibromyalgia  (list - undated)  
http://www.fibromyalgia-reviews.com/Drg_Marijuana.cfm

Cannabis for Chronic Pain: Case Series and Implications for Clinicians  (abst - 2002)  
http://www.prohealth.com//library/showArticle.cfm?libid=8711

Clinical Endocannabinoid Deficiency  (full - 2004)  

Fibromyalgia, IBS, and the Endocannabinoid-CB-Receptor (ECBR) system  (abst - 2004)  
http://www.prohealth.com//library/showArticle.cfm?libid=10562

Chronic Pain and Cannabinoids  (full – 2005)
Delta-9-THC based monotherapy in fibromyalgia patients on experimentally induced pain, axon reflex flare, and pain relief (abst - 2006)

THC Reduces Pain in Fibromyalgia Patients (news - 2006)
http://www.illinoisnorml.org/content/view/63/35/

Study of analgesic effects of oral THC in Germany ... (abst - 2007)
http://www.prohealth.com/me-cfs/blog/boardDetail.cfm?id=1134112

Fibromyalgia: Effective Treatment with Medical Marijuana (news - 2007)

Synthetic Cannabis for Fibromyalgia Pain? (news - 2007)
http://www.healthcentral.com/chronic-pain/c/5949/16104/fm-pain


Marijuana-Based Drug Reduces Fibromyalgia Pain, Study Suggests (news - 2008)
http://www.sciencedaily.com/releases/2008/02/080217214547.htm

Fibromyalgia and Medical Marijuana (news - 2008)

Marijuana Ingredient May Cut Fibromyalgia Pain (news - 2008)

Marijuana Derivative Called Effective in Fibromyalgia (news - 2008)
http://www.medpagetoday.com/Rheumatology/Fibromyalgia/8377

Two New Approaches for Fibromyalgia (news – 2008)
Tetrahydrocannabinol (Delta 9-THC) Treatment in Chronic Central Neuropathic Pain and Fibromyalgia Patients: Results of a Multicenter Survey (full - 2009) [http://www.hindawi.com/journals/arp/2009/827290.html]

Cannabinoids, endocannabinoids, and related analogs in inflammation. (full – 2009) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2664885/?tool=pubmed]

The Health Effects of Medical Marijuana Project (HEMMP) (news – 2009) [http://www.heretohelp.bc.ca/visions/cannabis-vol5/the-health-effects-medical-marijuana-project-hemmp]

Medical Marijuana and Fibromyalgia (news – 2009) [https://www.marijuanadoctors.com/content/ailments/view/29?ailment=fibromyalgia]

The Effects of Nabilone on Sleep in Fibromyalgia: Results of a Randomized Controlled Trial. (full - 2010) [http://journals.lww.com/anesthesia-analgesia/Fulltext/2010/02000/The_Effects_of_Nabilone_on_Sleep_in_Fibromyalgia_.56.aspx]

Medical marijuana may help fibromyalgia pain (news - 2010) [http://www.cnn.com/2010/HEALTH/02/22/medical.marijuana/]

Cannabis Use in Patients with Fibromyalgia: Effect on Symptoms Relief and Health-Related Quality of Life (full – 2011) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3080871/?tool=pubmed]


Inhaled Cannabis Beneficial For Fibromyalgia Patients, Study Says (news – 2011) [http://norml.org/index.cfm?Group_ID=8572]


One in 8 with fibromyalgia uses cannabis as medicine (news – 2012) [http://www.reuters.com/article/2012/07/12/us-fibromyalgia-cannabis-idUSBRE86B1D620120712]


Pot Popular for Pain in Fibromyalgia (news – 2012) [http://www.medpagetoday.com/clinical-context/Fibromyalgia/33384]


Which Medical Marijuana Strains Are The Best For Fibromyalgia? (news – 2012) [http://www.theweedblog.com/which-medical-marijuana-strains-are-the-best-for-fibromyalgia/]
The Fibromyalgia Drugs Your Doctor (Probably) Knows Nothing About

FLU / INFLUENZA

Modulation of airway responses to influenza A/PR/8/34 by Delta9-tetrahydrocannabinol in C57BL/6 mice. (full – 2007) http://jpet.aspetjournals.org/content/323/2/675.long

Targeted deletion of cannabinoid receptors CB1 and CB2 produced enhanced inflammatory responses to influenza A/PR/8/34 in the absence and presence of Delta9-tetrahydrocannabinol. (full – 2008) http://www.jleukbio.org/content/83/3/785.long


Deletion of cannabinoid receptors 1 and 2 exacerbates APC function to increase inflammation and cellular immunity during influenza infection. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21873455


Palmitoylethanolamide is a New Possible Pharmacological Treatment for the Inflammation Associated with Trauma (abst – 2013) http://www.eurekaselect.com/106175/article
FRAGILE X SYNDROME - also see AUTISM


Abnormal mGlu 5 receptor/endocannabinoid coupling in mice lacking FMRP and BC1 RNA. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3055456/


Marijuana-like brain chemicals could be key to treating fragile X syndrome (news – 2012) http://www.empowher.com/wellness/content/marijuana-brain-chemicals-could-be-key-treating-fragile-x-syndrome?page=0,2


GASTRIC ULCERS

Cannabinoid CB1-mediated inhibition of stress-induced gastric ulcers in rats
(abst – 2000)  http://www.springerlink.com/content/w3jc8rk16k9p92fl/

Cannabis Helps Ulcers And Crohn's Disease  (news - 2006)

Pharmacological analysis of cannabinoid-induced inhibition of gastric mucosal damage
and gastric motility  (abst – 2007)

Involvement of nitric oxide in the gastroprotective effect of ACEA, a selective
 cannabinoid CB1 receptor agonist, on aspirin-induced gastric ulceration.  (abst – 2009)

Inhibition of monoacylglycerol lipase (MAGL) attenuates NSAID-induced gastric
 hemorrhages in mice.  (full – 2011)
http://jpet.aspetjournals.org/content/early/2011/06/09/jpet.110.175778.long

Cannabinoid CB1 Receptors Mediate the Gastroprotective Effect of Neurotensin.

GATEWAY THEORY *

The Myth of Marijuana's Gateway Effect  (news - undated)
http://www.druglibrary.org/schaffer/library/mjgate.htm

Variation in youthful risks of progression from alcohol and tobacco to marijuana and to
hard drugs across generations.  (full – 2001)

Delta9-tetrahydrocannabinol releases and facilitates the effects of endogenous
enkephalins: reduction in morphine withdrawal syndrome without change in rewarding

Reassessing the gateway effect  (full - 2002)
http://www.ukcia.org/research/ReassessingGatewayEffect.pdf

Twin study fails to prove 'gateway' hypothesis  (letter - 2003)
http://www.ukcia.org/research/EscalationOfDrugUse/TwinStudyFailsToProveGateway.html

Endogenous cannabinoids are not involved in cocaine reinforcement (abst - 2004)  
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T26-4CMHYKD-1&_user=10&_coverDate=01%2F31%2F2005&_rdoc=1&_fmt=&_orig=search&_sort=d&view=c&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=01b53cd805067db7ca4e861a90579fac

Predictors of Marijuana Use in Adolescents Before and After Licit Drug Use: Examination of the Gateway Hypothesis (full – 2006)  

Study Questions Marijuana As Gateway Drug (news - 2006)  
http://www.drugfree.org/join-together/drugs/study-says-marijuana-is-no

No 'Smoking' Gun: Research Indicates Teen Marijuana Use Does Not Predict Drug, Alcohol Abuse (news - 2006)  
http://www.sciencedaily.com/releases/2006/12/061204123422.htm

Gateway To Nowhere? The Evidence That Pot Doesn't Lead To Heroin (news - 2006)  

Understanding the association between adolescent marijuana use and later serious drug use: gateway effect or developmental trajectory? (abst – 2008)  

Study of 4000 indicates marijuana discourages use of hard drugs. (news – 2008)  
http://www.csdp.org/publicservice/medicalmj08.htm

Cannabidiol, a Nonpsychotropic Component of Cannabis, Inhibits Cue-Induced Heroin Seeking and Normalizes Discrete Mesolimbic Neuronal Disturbances (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2829756/?tool=pmcentrez

Adolescent Exposure to Chronic Delta-9-Tetrahydrocannabinol Blocks Opiate Dependence in Maternally Deprived Rats (full - 2009)  
http://www.nature.com/npp/journal/v34/n11/full/npp200970a.html

CLAIM #13:MARIJUANA IS A "GATEWAY" TO THE USE OF OTHER DRUGS (news - 2009)  

The Surprising Effect Of Marijuana On Morphine Dependence (news - 2009)  

Active Ingredient In Cannabis Eliminates Morphine Dependence In Rats (news - 2009)  

Evaluating the drug use "gateway" theory using cross-national data: Consistency and associations of the order of initiation of drug use among participants in the WHO World Mental Health Surveys. (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2835832/?tool=pubmed


**GENDER-BASED DIFFERENCES** *


Sex differences in the cannabinoid modulation of an A-type K+ current in neurons of the mammalian hypothalamus. (full – 2005) [http://jn.physiology.org/content/94/4/2983.long](http://jn.physiology.org/content/94/4/2983.long)

Biochemical Changes in Endocannabinoid System are Expressed in Platelets of Female but not Male Migraineurs (abst - 2006) [http://cep.sagepub.com/cgi/content/abstract/26/3/277?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1200&resourcetype=HWCIT](http://cep.sagepub.com/cgi/content/abstract/26/3/277?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1200&resourcetype=HWCIT)

Cannabis reward: biased towards the fairer sex? (full - 2007)
Cannabinoid self-administration in rats: sex differences and the influence of ovarian function (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190004/

Endocannabinoids Mediate the Effects of Acute Stress and Corticosterone on Sex Behavior (full – 2007)  
http://endo.endojournals.org/content/148/2/493.full

Driving under the influence of cannabis: a 10-year study of age and gender differences in the concentrations of tetrahydrocannabinol in blood. (abst - 2008)  

Gender-dependent increases with healthy aging of the human cerebral cannabinoid-type 1 receptor binding using [(18)F]MK-9470 PET. (abst – 2008)  

Differential response to a selective cannabinoid receptor antagonist (SR141716: rimonabant) in female mice from lines selectively bred for high voluntary wheel-running behaviour. (abst – 2008)  


Gender-dependent cellular and biochemical effects of maternal deprivation on the hippocampus of neonatal rats: a possible role for the endocannabinoid system. (abst – 2008)  

Male-female differences in the effects of cannabinoids on sexual behavior and gonadal hormone function. (abst - 2009)  

Protracted cannabinoid administration elicits antidepressant behavioral responses in rats: role of gender and noradrenergic transmission. (abst - 2009)  

Sex differences in the cannabinoid regulation of energy homeostasis (abst – 2009)  
http://www.psyneuen-journal.com/article/S0306-4530%2809%2900123-1/abstract

Female sex, but not male sex, better with cannabis (news – 2009)  

Sex Differences in the Effects of Marijuana on Simulated Driving Performance (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3033009/?tool=pmcentrez

Regulation of the Hypothalamic-Pituitary-Adrenal Axis Circadian Rhythm by Endocannabinoids Is Sexually Diergic (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2964781/?tool=pmcentrez

How important are sex differences in cannabinoid action? (abst - 2010)  

Exposure to a high-fat diet decreases sensitivity to Δ9-tetrahydrocannabinol-induced motor effects in female rats (abst - 2010)  

Gender moderates the impact of stereotype threat on cognitive function in cannabis users. (abst – 2010)  

Sex difference in cell proliferation in developing rat amygdala mediated by endocannabinoids has implications for social behavior (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2996668/?tool=pubmed

Sex Differences in Cannabinoid 1 vs. Cannabinoid 2 Receptor-Selective Antagonism of Antinociception Produced by Δ9-Tetrahydrocannabinol and CP55,940 in the Rat (full – 2011)  
http://jpet.aspetjournals.org/content/340/3/787.full

Sex, drugs, and cognition: effects of marijuana. (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3089380/?tool=pubmed

Sexually dimorphic effects of cannabinoid compounds on emotion and cognition. (full - 2011)  

Cannabinoid receptor expression and phosphorylation are differentially regulated between male and female cerebellum and brain stem after repeated stress: Implication for PTSD and drug abuse. (abst – 2011)  

Gender differences in adolescent marijuana use and associated psychosocial characteristics. (abst – 2011)  

Effects of the cannabinoid antagonist SR 141716 on sexual and motor behavior in receptive female rats. (abst – 2011)  

Gender-dependent increases with healthy aging of the human cerebral cannabinoid-type 1 receptor binding using [(18)F]MK-9470 PET. (abst – 2011)  

Antinociception and sedation following intracerebroventricular administration of Δ9-tetrahydrocannabinol in female vs. male rats. (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/20692296/abstract/Antinociception_and_sedation_following_intracerebroventricular_administration_of_%CE%94%E2%81%B9_tetrahydrocannabinol_in_femal_vs_male_rats

Cannabinoid Receptor 1 (CNR1) 4895 C/T Genetic Polymorphism was Associated with Obesity in Japanese Men. (full – 2012) https://www.jstage.jst.go.jp/article/jat/19/8/19_12732/_pdf


Effects of gonadal hormones on the peripheral cannabinoid receptor 1 (CB1R) system under a myositis condition in rats. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22940464


Small animal PET imaging of the type 1 cannabinoid receptor in a rodent model for anorexia nervosa. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/24006151

The role of androgen receptor in transcriptional modulation of cannabinoid receptor type 1 gene in rat trigeminal ganglia. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/24055403


GERD/GASTRO-ESOPHAGEAL REFLUX -  also see BOWEL DISORDERS

Cannabinoid1 receptor in the dorsal vagal complex modulates lower oesophageal sphincter relaxation in ferrets  (full – 2003)  http://jp.physoc.org/content/550/1/149.full


Involvement of cannabinoid receptors in gut motility and visceral perception  (full - 2004)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1574910/?tool=pmcentrez

Cannabinoid CB(2) receptor activation prevents bronchoconstriction and airway oedema in a model of gastro-oesophageal reflux.  (abst - 2007)  http://www.ncbi.nlm.nih.gov/pubmed/17643417

Effect of Δ9-tetrahydrocannabinol, a cannabinoid receptor agonist, on the triggering of transient lower oesophageal sphincter relaxations in dogs and humans  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697772/?tool=pmcentrez

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects  (abst – 2008)  http://gut.bmj.com/content/57/8/1140.abstract

Endocannabinoids and the gastrointestinal tract: what are the key questions?  (full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190011/


The Gastrointestinal Pharmacology of Cannabinoids: Focus on Motility.  (full – 2012)
Localization of mGluR5, GABA(B), GABA(A), and cannabinoid receptors on the vagovagal reflex pathway responsible for transient lower esophageal sphincter relaxation in humans: an immunohistochemical study. (abst – 2012)

Discovery of agonists of cannabinoid receptor 1 with restricted CNS penetration aimed for treatment of gastroesophageal reflux disease. (abst – 2012)

GLAUCOMA * - also see VISION

Involvement of Cannabinoid Receptors in the Intraocular Pressure-Lowering Effects of WIN55212-2 (full - 2000) http://jpet.aspetjournals.org/content/292/1/136.long

Therapeutic aspects of cannabis and cannabinoids. (full - 2001)
http://bjp.rcpsych.org/cgi/content/full/178/2/107


Delta-9-tetrahydrocannabinol (THC) in the treatment of end-stage open-angle glaucoma. (full - 2002)

Comparison of the enzymatic stability and intraocular pressure effects of 2-arachidonylglycerol and noladin ether, a novel putative endocannabinoid. (full – 2002)
http://www.iovs.org/content/43/10/3216.full

Effect of WIN 55212-2, a Cannabinoid Receptor Agonist, on Aqueous Humor Dynamics in Monkeys (full - 2003)
http://archopht.ama-assn.org/cgi/content/full/121/1/87?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=marihuana&searchid=1&FIRSTINDEX=640&resourcetype=HWCIT

Cannabinoids and glaucoma (full - 2004)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1772142/?tool=pmcentrez

CB2 cannabinoid receptors in trabecular meshwork cells mediate JWH015-induced enhancement of aqueous humor outflow facility. (full - 2005)
http://www.iovs.org/content/46/6/1988.long

Finding of endocannabinoids in human eye tissues: implications for glaucoma.
Noladin ether acts on trabecular meshwork cannabinoid (CB1) receptors to enhance aqueous humor outflow facility. (full – 2006)  http://www.iovs.org/content/47/5/1999.long

R(+) -methanandamide and other cannabinoids induce the expression of cyclooxygenase-2 and matrix metalloproteinases in human nonpigmented ciliary epithelial cells. (full – 2006)  http://jpet.aspetjournals.org/content/316/3/1219.long


Involvement of the Endocannabinoid System in Retinal Damage after High Intraocular Pressure–Induced Ischemia in Rats  (full - 2007)  http://www.iovs.org/cgi/content/full/48/7/2997?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HWCIT


Additive Effects of Timolol and Cannabinoids on Intraocular Pressure in a Rat Glaucoma Model  (abst - 2007)  http://abstracts.iovs.org/cgi/content/abstract/48/5/4807?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&andorexactfulltext=and&searchid=1&FIRSTINDEX=560&resourcetype=HWCIT


N-arachidonylethanolamide-Induced Increase in Aqueous Humor Outflow Facility  (full - 2008)  http://www.iovs.org/cgi/content/full/49/10/4528

Mediation of Cannabidiol Anti-inflammation in the Retina by Equilibrative Nucleoside Transporter and A2A Adenosine Receptor  (full – 2008)  http://www.iovs.org/content/49/12/5526.full

Topical WIN55212-2 Alleviates Intraocular Hypertension in Rats Through a CB1 Receptor-Mediated Mechanism of Action  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2637200/?tool=pmcentrez

The role of endocannabinoid system in physiological and pathological processes in the eye  (abst - 2008)  http://www.unboundmedicine.com/medline/ebm/record/19195174/abstract/%5BThe_role_of_endocannabinoid_system_in_physiological_and_pathological_processes_in_the_eye%5D
Medical Marijuana and Glaucoma (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/31?ailment=glaucoma

Alternative therapy in glaucoma management: Is there any role? (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3038502/?tool=pubmed

Ocular Hypotensive Effect of Oral Palmitoyl-ethanolamide: A Clinical Trial (full – 2011)
http://www.iovs.org/content/52/9/6096.full?sid=b5ef404-f190-49ee-9076-758ee6c9190d

Indirect Sympatholytic Actions at β-Adrenoceptors Account for the Ocular Hypotensive Actions of Cannabinoid Receptor Agonists (full – 2011)
http://jpet.aspetjournals.org/content/339/3/757.full.pdf+html

Cannabinoid applications in glaucoma. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/21414525/abstract/Cannabinoid_applications_in_glaucoma


Effect of ion pairing on in vitro transcorneal permeability of a Δ(9) -tetrahydrocannabinol prodrug: Potential in glaucoma therapy. (abst – 2011)

Comparison Of Rat And Human Eyes For The Presence And Distribution Of Cb1 And Cb2 Receptors (abst - 2011)
http://abstracts.iovs.org/cgi/content/abstract/52/6/4588?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCIT


Palmitoylethanolamide effects on intraocular pressure after Nd:YAG laser iridotomy: an experimental clinical study. (abst – 2011)

Medical Reasons for Marijuana (news – 2011)
http://www.livestrong.com/article/98476-medical-reasons-marijuana/

In decades-old program, Uncle Sam provides pot (news – 2011)

January is Glaucoma Awareness Month: Can Marijuana save eyesight? (news / anecdotal – 2011)
Effect of ion pairing on in vitro transcorneal permeability of a Δ(9)-tetrahydrocannabinol prodrug: potential in glaucoma therapy. (abst – 2012) 
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3564461/

Effects of Palmitoylethanolamide on Aqueous Humor Outflow. (abst – 2012) 

Intraocular pressure-lowering effect of oral paracetamol and its in vitro corneal penetration properties. (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3564461/

A GPR18-based signaling system regulates IOP in murine eye. (abst – 2013) 

Effect of Cannabinoids and MethoxyPolyethylene Glycols on Aqueous Humor Outflow and Vascular Tone (abst – 2013)  
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/lb541?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad

An Effective Prodrug Strategy to Selectively Enhance Ocular Exposure of a Cannabinoid Receptor (CB1/2) Agonist. (abst – 2013) 

Still Believe Nature Got It Wrong? Top 10 Health Benefits of Marijuana (news – 2013) 
http://www.wakingtimes.com/2013/05/01/still-believe-nature-got-it-wrong-top-10-health-benefits-of-marijuana/

GOUT

A Novel Intervention for the Treatment of Gout in an Elderly Rehabilitation Patient in Whom Conventional Treatment was Ineffective (full – 2004)  
http://www.medicine.virginia.edu/clinical/departments/physical-medicine-rehabilitation/Gout-page

Medical Marijuana and Arthropathy, gout (news – 2009) 
https://www.marijuanadoctors.com/content/ailments/view/12?ailment=arthropathy-gout

Man ‘grew cannabis to ease gout pain’ (news/ anecdotal – 2012)  
http://www.theboltonnews.co.uk/news/9970540.Man__grew_cannabis_to_ease_gout_pain__/
**GRANULOMA**

Local administration of WIN 55,212-2 reduces chronic granuloma-associated angiogenesis in rat by inhibiting NF-kappaB activation. (abst – 2007)  

Cannabinoids reduce granuloma-associated angiogenesis in rats by controlling transcription and expression of mast cell protease-5. (full – 2008)  
[http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2518473/?tool=pubmed](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2518473/?tool=pubmed)

Levels of endocannabinoids and palmitoylethanolamide and their pharmacological manipulation in chronic granulomatous inflammation in rats. (abst – 2010)  

Palmitoylethanolamide reduces granuloma-induced hyperalgesia by modulation of mast cell activation in rats (full – 2011)  
[http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3034677/?tool=pubmed](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3034677/?tool=pubmed)

**GRAVE'S DISEASE** (overactive thyroid)

Acute effects of endocannabinoid anandamide and CB1 receptor antagonist, AM251 in the regulation of thyrotropin secretion. (full – 2008)  
[http://joe.endocrinology-journals.org/content/199/2/235.long](http://joe.endocrinology-journals.org/content/199/2/235.long)

Medical Marijuana and Graves Disease (news – 2009)  
[https://www.marijuanadoctors.com/content/ailments/view/33?ailment=graves-disease](https://www.marijuanadoctors.com/content/ailments/view/33?ailment=graves-disease)

Chronic Cannabis Abuse, Delta-9-tetrahydrocannabinol and Thyroid Function. (full – 2012)  

**GYNOCOLOGY / FEMALE SEXUAL FUNCTION** *

Post-Menopausal Hot Flashes by Anonymous (anecdotal – undated)  
[http://www.rxmarijuana.com/shared_comments/menopause.htm](http://www.rxmarijuana.com/shared_comments/menopause.htm)

Hemp = Hormonal Balance (ad/ article - undated)  

Menstrual cramps, morning sickness and labour pain (anecdotal – 2001)  

Low fatty acid amide hydrolase and high anandamide levels are associated with failure to achieve an ongoing pregnancy after IVF and embryo transfer  (full – 2002)  http://molehr.oxfordjournals.org/content/8/2/188.full


Mouse blastocysts release a lipid which activates anandamide hydrolase in intact uterus (full – 2004)  http://molehr.oxfordjournals.org/content/10/4/215.full


Acomplia may be dangerous for women of reproductive age  (news – 2006)  http://www.xagena.it/news/medicinenews_net_news/1ef4c899cd6f0d5cae3a2ea3a91ad1c.html

Expression of the Endocannabinoid System in Human First Trimester Placenta and Its Role in Trophoblast Proliferation  (full – 2008)  http://endo.endojournals.org/content/149/10/5052.full?sid=f5b14012-9fbe-4f10-890c-386313060cf8

Spatio-temporal expression patterns of anandamide-binding receptors in rat implantation sites: evidence for a role of the endocannabinoid system during the period of placental development  (full – 2009)  http://www.rbej.com/content/7/1/121


Medical Marijuana and Endometriosis  (news – 2009)
N-Acylethanolamine Levels and Expression of Their Metabolizing Enzymes during Pregnancy  (full – 2010)  http://endo.endojournals.org/content/151/8/3965.full


The relationship between plasma levels of the endocannabinoid, anandamide, sex steroids, and gonadotrophins during the menstrual cycle.  (abst - 2010)  http://www.ncbi.nlm.nih.gov/pubmed/19200965


Uncovering a role for endocannabinoid signaling in autophagy in preimplantation mouse embryos (abst – 2012) http://molehr.oxfordjournals.org/content/19/2/93.abstract

The role of endocannabinoids in pregnancy. (full – 2013) http://www.reproduction-online.org/content/early/2013/06/06/REP-12-0508.long

Embryonic diapause in humans: time to consider? (full – 2013) http://www.rbej.com/content/11/1/92


Endocannabinoid receptor (CB1R) deficiency affects maternal care and alters the dam's hippocampal oxytocin receptor and BDNF expression (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23895426


Inhibition of human hair follicle growth by endo and exocannabinoids (full - 2007)

The Benefits of Hemp Oil on Hair (news – 2010)
http://www.livestrong.com/article/189783-the-benefits-of-hemp-oil-on-hair/

Identification of cannabinoid type 1 receptor in dog hair follicles. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/21414652/abstract/Identification_of_cannabinoid_type_1_receptor_in_dog_hair_follicles

Endocannabinoid signaling and epidermal differentiation. (abst – 2011)

HEADACHE - see MIGRAINE/ HEADACHE

HEARING * - also see TINNITUS; AM-111 in SYNTHEtics SECTION


A peptide inhibitor of c-Jun N-terminal kinase protects against both aminoglycoside and acoustic trauma-induced auditory hair cell death and hearing loss. (full – 2003) http://www.jneurosci.org/content/23/24/8596.long


AM-111 protects against permanent hearing loss from impulse noise trauma.
AM-111 prevents hearing loss from semicircular canal injury in otitis media.

Blocking pro-cell-death signal pathways to conserve hearing.

CONTROLLED-RELEASE APOPTOSIS MODULATING COMPOSITIONS AND METHODS FOR THE TREATMENT OF OTIC DISORDERS  Patent application number: 20100016218

Otoprotective Effect of AM-111 Also Shown In Model of Cochlear Ischemia

Mutations in ABHD12 Cause the Neurodegenerative Disease PHARC: An Inborn of Endocannabinoid Metabolism


Protection against ischemic cochlear damage by intratympanic administration of AM-111.

Association between a cannabinoid receptor gene (CNR1) polymorphism and cannabinoid-induced alterations of the auditory event-related P300 potential.

Cannabinoid receptor expression at the MNTB-LSO synapse in developing rats.

Analysis: Drugmakers step up search for hearing loss medicines

Molecular mechanisms involved in cochlear implantation trauma and the protection of hearing and auditory sensory cells by inhibition of c-Jun-N-terminal kinase signaling.

Depolarisation-induced suppression of a glycinergic synapse in the superior olivary complex by endocannabinoids.
CARDIOVASCULAR *

Cardiovascular effects of endocannabinoids--the plot thickens. (abst - 2000)

Involvement of central and peripheral cannabinoid receptors in the regulation of heart resistance to arrhythmogenic effects of epinephrine. (abst - 2000)

Endogenous cannabinoids mediate hypotension after experimental myocardial infarction (full - 2001)
http://content.onlinejacc.org/cgi/content/full/38/7/2048?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=560&resourcetype=HWCIT

Mechanisms of anandamide-induced vasorelaxation in rat isolated coronary arteries (full - 2001)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573021/?tool=pmcentrez

Endocannabinoids are implicated in the infarct size-reducing effect conferred by heat stress preconditioning in isolated rat hearts (full – 2001)
http://cardiovascres.oxfordjournals.org/content/55/3/619.full?sid=750cb6a6-d3d1-484d-96e8-04b75ba34325

Endogenous cannabinoid anandamide increases heart resistance to arrhythmogenic effects of epinephrine: role of CB(1) and CB(2) receptors. (abst - 2001)

Influence of the CB1 receptor antagonist, AM 251, on the regional haemodynamic effects of WIN-55212-2 or HU 210 in conscious rats (full - 2002)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573379/?tool=pmcentrez

Endocannabinoids are implicated in the infarct size-reducing effect conferred by heat stress preconditioning in isolated rat hearts. (full – 2002)
http://cardiovascres.oxfordjournals.org/content/55/3/619.long

Estrogen stimulates arachidonylethanolamide release from human endothelial cells and platelet activation (full – 2002)
http://bloodjournal.hematologylibrary.org/content/100/12/4040.full

Activation of cannabinoid receptors decreases the area of ischemic myocardial necrosis. (abst - 2002)
Anandamide and R-(+)-methanandamide prevent development of ischemic and reperfusion arrhythmia in rats by stimulation of CB2-receptors  (abst – 2002)

Increase of the heart arrhythmogenic resistance and decrease of the myocardial necrosis zone during activation of cannabinoid receptors  (abst – 2002)

Endogenous cannabinoids improve myocardial resistance to arrhythmogenic effects of coronary occlusion and reperfusion: a possible mechanism.  (abst - 2002)

Endocannabinoids protect the rat isolated heart against ischaemia  (full - 2003)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573907/?tool=pmcentrez


CB1 cannabinoid receptor antagonism promotes remodeling and cannabinoid treatment prevents endothelial dysfunction and hypotension in rats with myocardial infarction  (full - 2003)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573770/?tool=pmcentrez

Cannabinoid CB2 receptor activation reduces mouse myocardial ischemia-reperfusion injury: involvement of cytokine/chemokines and PMN  (full - 2003)
http://www.jleukbio.org/cgi/content/full/75/3/453?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT

A new endothelial target for cannabinoids.  (full - 2003)
http://molpharm.aspetjournals.org/content/63/3/469.long

Endocannabinoids as mediators in the heart: a potential target for therapy of remodelling after myocardial infarction?  (full - 2003)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573769/?tool=pmcentrez

Cannabinoids prevented the development of heart failure in animal study  (news - 2003)

Cardiovascular Effects of Cannabis  (news - 2003)  http://www.idmu.co.uk/canncardio.htm

Marijuana Smoking Doesn't Kill  (news - 2003)

Endocannabinoids Acting at Cannabinoid-1 Receptors Regulate Cardiovascular Function in Hypertension  (full - 2004)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2756479/?tool=pmcentrez

The complexities of the cardiovascular actions of cannabinoids  (full - 2004)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1574918/?tool=pmcentrez


Cardiovascular Pharmacology of Cannabinoids (full - 2005) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2228270/?tool=pmcentrez

Anandamide reduces infarct size in rat isolated hearts subjected to ischaemia–reperfusion by a novel cannabinoid mechanism (full - 2005) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1751211/?tool=pmcentrez


The cardiovascular actions of anandamide: more targets? (full - 2005) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1576182/?tool=pmcentrez

Increased anandamide induced relaxation in mesenteric arteries of cirrhotic rats: role of cannabinoid and vanilloid receptors (full – 2005) http://gut.bmj.com/content/54/4/522.full?sid=0731f0e5-2071-4549-be57-57f444307138


Direct cerebrovascular effects of CB1 receptor activation by the synthetic endocannabinoid HU-210 in vivo (abst - 2005) http://www.nature.com/jcbfm/journal/v25/n1s/full/9591524.0581a.html


Cannabis chemical 'helps heart’ (news - 2005) http://news.bbc.co.uk/2/hi/health/4417261.stm

Further Characterization of the Time-Dependent Vascular Effects of Δ9-Tetrahydrocannabinol (full - 2006) http://jpet.aspetjournals.org/content/317/1/428.full
Illicit Drug Use in Young Adults and Subsequent Decline in General Health: The Coronary Artery Risk Development in Young Adults (CARDIA) Study (full - 2006) 
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1885466/?tool=pmcentrez


Does Cannabis Hold the Key to Treating Cardiometabolic Disease (full - 2006) http://www.nature.com/nrcardio/journal/v3/n3/full/ncpcardio0504.html


Delta-9-tetrahydrocannabinol protects cardiac cells from hypoxia via CB2 receptor activation and nitric oxide production (abst - 2006) http://www.ingentaconnect.com/content/klu/mcbi/2006/00000283/F0020001/00002346


The in vitro and in vivo cardiovascular effects of ?(Delta)9-tetrahydrocannabinol (THC) in rats made hypertensive by chronic inhibition of nitric oxide synthase. (full - 2007) http://jpet.aspetjournals.org/content/321/2/663.full

Characterization of the vasorelaxant mechanisms of the endocannabinoid anandamide in rat aorta (full – 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190007/?tool=pubmed

The novel endocannabinoid receptor GPR55 is activated by atypical cannabinoids but does not mediate their vasodilator effects. (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190033/?tool=pubmed
Endocannabinoids acting at CB1 receptors mediate the cardiac contractile dysfunction in vivo in cirrhotic rats. (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2225474/?tool=pmcentrez

Endocannabinoids and the haematological system (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190025/?tool=pmcentrez

Cannabinoids and cardiovascular disease: a tale of passions and illusions. (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2013961/?tool=pubmed

Cardiovascular Abnormalities in Cirrhosis: the Possible Mechanisms (full - 2007)  
http://journals.tums.ac.ir/upload_files/pdf/_/6670.pdf

Cannabinoids as therapeutic agents in cardiovascular disease: a tale of passions and illusions. (full - 2007)  

Decreased age-related cardiac dysfunction, myocardial nitrative stress, inflammatory gene expression, and apoptosis in mice lacking fatty acid amide hydrolase. (full – 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2225473/?tool=pubmed

GPR55 and the vascular receptors for cannabinoids. (full – 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190021/?tool=pubmed

Cannabidiol, a nonpsychoactive Cannabis constituent, protects against myocardial ischemic reperfusion injury. (full - 2007)  
http://ajpheart.physiology.org/cgi/content/full/293/6/H3602

Cardiovascular effects of cannabinoids in conscious spontaneously hypertensive rats (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190006/?tool=pmcentrez

Effect of dietary hempseed intake on cardiac ischemia-reperfusion injury. (full – 2007)  
http://ajpregu.physiology.org/content/292/3/R1198.long

Cannabinoids and cardiovascular disease: the outlook for clinical treatments. (abst - 2007)  

The diverse CB1 and CB2 receptor pharmacology of three plant cannabinoids: Δ9-tetrahydrocannabinol, cannabidiol and Δ9-tetrahydrocannabivarin (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219532/

Cannabinoid receptors in acute and chronic complications of atherosclerosis (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219535/?tool=pmcentrez

Role of endocannabinoids in cardiovascular shock. (full – 2008)  
http://www.jpp.krakow.pl/journal/archive/12_08_s8/pdf/91_12_08_s8_article.pdf
Endocannabinoids and Liver Disease. V. Endocannabinoids as mediators of vascular and cardiac abnormalities in cirrhosis (full – 2008)

CB1 Cannabinoid Receptor Inhibition: Promising Approach for Heart Failure? (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2669829/?tool=pmcentrez

'Entourage' effects of N-palmitoylethanolamide and N-oleoylethanolamide on vasorelaxation to anandamide occur through TRPV1 receptors. (full – 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2597234/?tool=pubmed

Modulation of the Endocannabinoid System in Cardiovascular Disease (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2568884/?tool=pmcentrez

Acute hypertension reveals depressor and vasodilator effects of cannabinoids in conscious rats (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697765/?tool=pmcentrez

Endocannabinoids and cannabinoid receptors in ischaemia–reperfusion injury and preconditioning (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219536/?tool=pmcentrez

Virodhamine relaxes the human pulmonary artery through the endothelial cannabinoid receptor and indirectly through a COX product. (full – 2008)

Endocannabinoids, blood pressure and the human heart. (full - 2008).

The endocannabinoid system: an osteopathic perspective. (full - 2008)
http://www.jaoa.org/cgi/content/full/108/10/586

Function of cannabinoids in heart failure (link to full - 2008)
http://www.unboundmedicine.com/medline/citation/18464680/abstract/%5BFun20ction_of_cannabis20noids_in_20heart_failure%5D


Endocannabinoids and cardiac contractile function: pathophysiological implications. (full – 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2768548/?tool=pubmed

Endocannabinoids and cannabinoid analogues block cardiac hKv1.5 channels in a cannabinoid receptor-independent manner (full – 2009)
http://cardiovascres.oxfordjournals.org/content/85/1/56.full?sid=7d2438c4-a727-410f-870d-4a971695b4fb

Endocannabinoids and the Heart (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2728560/?tool=pmcentrez
The emerging role of the endocannabinoid system in cardiovascular disease
(full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2791499/?tool=pmcentrez

Endocannabinoid signalling as an anti-inflammatory therapeutic target in atherosclerosis: does it work? (full – 2009)
http://cardiovascres.oxfordjournals.org/content/84/3/341.full?sid=7d2438c4-a727-410f-870d-4a971695b4fb

CB1 and CB2 cannabinoid receptors differentially regulate the production of reactive oxygen species by macrophages (full – 2009)
http://cardiovascres.oxfordjournals.org/content/84/3/378.full?sid=7d2438c4-a727-410f-870d-4a971695b4fb


Cannabidiol Attenuates Myocardial Dysfunction, Fibrosis, Inflammation, Cell Death and Interrelated Signaling Pathways Associated With Diabetic Cardiomyopathy (abst - 2009)
http://circ.ahajournals.org/cgi/content/meeting_abstract/120/18_MeetingAbstracts/S868?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1680&resourceType=HWCIT


Acute administration of cannabidiol in vivo suppresses ischaemia-induced cardiac arrhythmias and reduces infarct size when given at reperfusion. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2936031/?tool=pubmed

Inhibitor of fatty acid amide hydrolase normalizes cardiovascular function in hypertension without adverse metabolic effects. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3003779/

The cardiac and haemostatic effects of dietary hempseed. (full - 2010) http://www.nutritionandmetabolism.com/content/pdf/1743-7075-7-32.pdf

Endogenous cannabinoid signaling is essential for stress adaptation (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2889099/?tool=pmcentrez

Interaction between anandamide and sphingosine-1-phosphate in mediating vasorelaxation in rat coronary artery (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2962826/?tool=pubmed

N-arachidonoyl glycine, an endogenous lipid that acts as a vasorelaxant via nitric oxide and large conductance calcium-activated potassium channels. (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931560/

Pharmacologically induced hypothermia with cannabinoid receptor agonist WIN55, 212-2 after cardiopulmonary resuscitation (abst – 2010)
http://journals.lww.com/ccmjournal/Abstract/2010/12000/Pharmacologically_induced_hypothermia_with_2.aspx

Altered expression of cannabinoid receptors 1 and 2 and activated endocannabinoid system in patients with severe chronic heart failure (abst – 2010)

Substantially altered expression pattern of cannabinoid receptor 2 and activated endocannabinoid system in patients with severe heart failure. (abst – 2010)

Lab Notes: Pot Has Benefits for Diabetic Hearts (news - 2010)
http://www.medpagetoday.com/LabNotes/LabNotes/23853

Inhaled Incense “K2” May Cause Heart Damage (news – 2010)
http://drwes.blogspot.com/2010/08/inhaled-incense-k2-may-cause-heart.html

Suicides in other trials led to early termination of trial into effects of weight loss drug rimonabant on cardiovascular outcomes (CRESCENDO study) (news – 2010)

Pot Compound Mitigates Diabetic Cardiomyopathy (news - 2010)
http://www.norml.org/index.cfm?Group_ID=8424


Endocannabinoid system in cardiovascular disorders - new pharmacotherapeutic opportunities (full – 2011)
http://www.jpbsonline.org/article.asp?issn=0975-7406;year=2011;volume=3;issue=3;spage=350;epage=360;aulast=Cunha

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Cannabidiol as an anti-arrhythmic, the role of the CB1 receptors. (abst – 2011) http://heart.bmj.com/content/97/24/e8.9.abstract


Variants at the endocannabinoid receptor CB1 gene (CNR1) and insulin sensitivity, type 2 diabetes, and coronary heart disease. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21633404


Targeting the Endocannabinoid System to Limit Myocardial and Cerebral Ischemic and Reperfusion Injury. (abst – 2011) http://www.unboundmedicine.com/medline/ebm/record/21470162/abstract/Targeting_the_Endocannabinod_System_to_Limit_Myocardial_and_Cerebral_Ischemic_and_Reperfusion_Injury

Endocannabinoid type 1 receptor gene (CNR1) polymorphisms (rs806381, rs10485170, rs6454674, rs2023239) and cardiovascular risk factors in postmenopausal women.
Marijuana Compounds Hold Promise In Treatment Of Cardiovascular Diseases  
(http://www.norml.org/index.cfm?Group_ID=8466)

Deficiency of type 1 cannabinoid receptors worsens acute heart failure induced by pressure overload in mice  
(http://eurheartj.oxfordjournals.org/content/33/24/3124.full)

Cannabinoids and atherosclerotic coronary heart disease.  

Angiotensin II induces vascular endocannabinoid release, which attenuates its vasoconstrictor effect via CB1 cannabinoid receptors.  
(http://www.jbc.org/content/early/2012/07/11/jbc.M112.346296.full.pdf+html)

Metabolic effects of n-3 PUFA as phospholipids are superior to triglycerides in mice fed a high-fat diet: possible role of endocannabinoids.  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3372498/)

Targeting cannabinoid receptor CB(2) in cardiovascular disorders: promises and controversies.  

Phytoestrogens Enhance the Vascular Actions of the Endocannabinoid Anandamide in Mesenteric Beds of Female Rats  
(http://www.hindawi.com/journals/ijht/2012/647856/)

Targeting cannabinoid receptor CB2 in cardiovascular disorders: promises and controversies  

CNR1 genotype influences HDL-cholesterol response to change in dietary fat intake.  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3342253/)

Rimonabant improves obesity but not the overall cardiovascular risk and quality of life; results from CARDIO-REDUSE (CArdiometabolic Risk reDuctIOn by Rimonabant: the Effectiveness in Daily practice and its USE)  
(http://fampra.oxfordjournals.org/content/29/5/521.full)

Cannabinoid receptor CB2 protects against balloon-induced neointima formation.  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3774259/)

Cannabinoid 1 (CB1) receptor mediates WIN55, 212-2 induced hypothermia and improved survival in a rat post-cardiac arrest model.  


Reduced endothelium-dependent relaxation to anandamide in mesenteric arteries from young obese zucker rats.  (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0063449

Endogenous cannabinoid receptor CB1 activation promotes vascular smooth muscle cell proliferation and neointima formation. (full – 2013) http://www.jlr.org/content/early/2013/03/11/jlr.M035147.long


Anandamide Reduces Intracellular Ca2+ Concentration through Suppression of Na+/Ca2+ Exchanger Current in Rat Cardiac Myocytes (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0063386


Cardiorespiratory control as a function of wake-sleep behavior and diet in mice lacking CB1 cannabinoid receptors (abst – 2013) http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/926.1?sid=eea722c0-971c-4daa-8b8c-38c063c19ad

Role of Central Atypical Cannabinoid Receptor GPR18 in Modulating Cardiovascular Function (abst – 2013) http://www.fasebj.org/cgi/content/meeting_abstract/26/1_MeetingAbstracts/663.10?sid=eea722c0-971c-4daa-8b8c-38c063c19ad


Activation of Cannabinoid Type 2 Receptor by JWH133 Protects Heart Against Ischemia/Reperfusion-Induced Apoptosis. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23711495


Common polymorphism in the cannabinoid type 1 receptor gene (CNR1) is associated with microvascular complications in type 2 diabetes. (abst – 2013)


New Study: Cannabinoids Protect the Brain and Heart From Injury (news – 2013) http://www.science20.com/news_articles/thc_can_prevent_brain_damage_study-113512

Effects of cannabinoid receptor type 2 on endogenous myocardial regeneration by activating cardiac progenitor cells in mouse infarcted heart. (link to PDF – 2014) http://life.scichina.com:8082/sciCe/EN/abstract/abstract513395.shtml#


HEMOPHILIA

**HEMOPRESIN** - CB1 reverse agonist

The effects of peptide and lipid endocannabinoids on arthritic pain at the spinal level.  
(full – 2012)  

Identification and quantification of a new family of peptide endocannabinoids (Pepcans) showing negative allosteric modulation at CB1 receptors.  
(abst – 2012)  

Central functional response to the novel peptide cannabinoid, hemopressin.  
(abst – 2013)  

Modulation of the cannabinoid receptors by hemopressin peptides.  
(abst – 2013)  

**HEMORRHAGIC SHOCK** *

Pharmacokinetics of a combination of Δ9-tetrahydro-cannabinol and celecoxib in a porcine model of hemorrhagic shock.  
(abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21341278/abstract/Pharmacokinetics_of_a_combination_of_%CE%949_tetrahydro_cannabinol_and_celecoxib_in_a_porcine_model_of_hemorrhagicShock

Low-volume binary drug therapy for the treatment of hypovolemia.  
(abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21330941/abstract/Low_volume_binary_drug_therapy_for_the_treatment_of_hypovolemia

**HEPATITIS**

A Novel Synthetic Cannabinoid Derivative Inhibits Inflammatory Liver Damage via Negative Cytokine Regulation  
(full - 2003)  
http://molpharm.aspetjournals.org/content/64/6/1334.full

The endocannabinoid system in chronic liver disease  
(full - 2005)  

(Marijuana/Hash) Endocannabinoids and liver disease - review  
(full - 2005)  

Antifibrogenic role of the cannabinoid receptor CB2 in the liver.  
(abst – 2005)  


Endocannabinoids and Liver Disease. III. Endocannabinoid effects on immune cells: implications for inflammatory liver diseases  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2376822/?tool=pmcentrez

Attenuation of Experimental Autoimmune Hepatitis by Exogenous and Endogenous Cannabinoids : Involvement of Regulatory T Cells  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2828293/?tool=pmcentrez


Regression of Fibrosis after Chronic Stimulation of Cannabinoid CB2 Receptor in Cirrhotic Rats  (full - 2008)  http://jpet.aspetjournals.org/content/324/2/475.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT#content-block

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects  (abst - 2008)  http://gut.bmj.com/content/57/8/1140.abstract


Medical Marijuana and Hepatitis C  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/75?ailment=hepatitis-c-

Medical Marijuana and Viral Hepatitis  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/70?ailment=viral-hepatitis

Endocannabinoids in liver disease.  (full – 2011)

Role of Myeloid-Derived Suppressor Cells in Amelioration of Experimental Autoimmune Hepatitis Following Activation of TRPV1 Receptors by Cannabidiol (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3069975/?tool=pmcentrez

Cannabidiol causes activated hepatic stellate cell death through a mechanism of endoplasmic reticulum stress-induced apoptosis.  (full – 2011)

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/


The endocannabinoid N-arachidonoyl dopamine (NADA) selectively induces oxidative stress-mediated cell death in hepatic stellate cells but not in hepatocytes (full – 2012) http://ajpgi.physiology.org/content/302/8/G873.long

Prevention of Fibrosis Progression in CCl4-Treated Rats: Role of the Hepatic Endocannabinoid and Apelin Systems  (full – 2012)
http://jpet.aspetjournals.org/content/340/3/629.full


Marijuana Smoking Does Not Accelerate Progression of Liver Disease in HIV-Hepatitis C Coinfection: A Longitudinal Cohort Analysis.  (full – 2013) http://cid.oxfordjournals.org/content/early/2013/07/03/cid.cit378.long

Cannabinoid receptor 2 counteracts interleukin-17-induced immune and fibrogenic responses in mouse liver (full– 2013)

Association Between a Polymorphism in Cannabinoid Receptor 2 and Severe Necroinflammation in Patients With Chronic Hepatitis C. (abst – 2013)  

Anti-hepatitis B virus lignans from the root of Streblus asper. (abst – 2013)  

Smoking cannabis does not accelerate progression of liver disease in people with HIV/HCV co-infection (news – 2013)  

HEREDITARY MULTIPLE EXTOSES

Chronic Cannabis Use in the Compassionate Investigational New Drug Program: An Examination of Benefits and Adverse Effects of Legal Clinical Cannabis (full – 2002)  

Fort Lauderdale legal pot smoker tells his story in new book (news – 2011)  

Stockbroker with bone disease claims smoking 130,000 government-issued joints over 30 years has saved his life (news – 2013)  

HERPES VIRUS *

THC inhibits lytic replication of gamma oncogenic herpes viruses in vitro (full - 2004)  

Cannabis May Help Combat Cancer-causing Herpes Viruses (news - 2004)  

THC in marijuana may block the spread of forms of cancer causing herpes viruses (news - 2004)  

Treatment of Refractory Post Herpetic Neuralgia with Nabilone (abst – 2009)  


HICCUPS *

Hiccups by Ben (anecdotal – undated) http://rxmarijuana.com/shared_comments/hiccups.htm

Cannabinoids suppress synaptic input to neurones of the rat dorsal motor nucleus of the vagus nerve (full – 2004) http://jp.physoc.org/content/559/3/923.full#sec-19

Teen says marijuana has been a lifesaver (news/ anecdotal – 2012) http://www.gazette.com/articles/seizes-134241-chaz-teen.html

HISTORICAL STUDIES - PRE 1937

Observations on the raising and dressing of hemp (1789) http://memory.loc.gov/cgi-bin/query/r?ammem/faw:@field%28DOCID+icufawcbc0010%29

ON THE PREPARATIONS OF THE INDIAN HEMP, OR GUNJAH (1839) http://www.druglibrary.org/schaffer/history/e1850/gunjah.htm

Cannabis Indica Their Effects on the Animal System in Health, and their Utility in the Treatment of Tetanus and other Convulsive Diseases (1843)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2490264/

New Remedies:Pharmaceutically and Therapeutically Considered Fourth Edition (1843)
http://www.druglibrary.org/schaffer/hemp/history/dunglisn.htm

Observations on the medicinal properties of the Cannabis Sativa of India (1843)

Observations on the Cannabis Indica, or Indian Hemp (1843)

On Traumatic Tetanus and Its Treatment, with Some Remarks on the Extract of Cannabis Indica of Commerce (1845)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2558904/?tool=pmcentrez&page=1

Case of Traumatic Tetanus — Exhibition of the Extract of Indian Hemp (Cannabis Indica)—Death—Autopsy (1845)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2558623/?tool=pmcentrez&page=1

A Case of Dysmenorrhæa in Which the Tincture of Cannabis Indica Was Employed, with Some Observations upon That Drug (1847)

On the Haschisch or Cannabis Indica (1857)
http://www.druglibrary.org/schaffer/hemp/history/bellhash.htm

Report of the Ohio State Medical Committee on Cannabis Indica (1860)
http://www.onlinepot.org/medical/Dr_Tods_PDFs/s3_1.pdf

On the Action of Cannabis Indica (1883)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2372454/

Cannabis Indica (1883)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2372636/?tool=pmcentrez&page=1

Clinical and Physiological Notes on the Action of Cannabis Indica (1887)
http://www.onlinepot.org/medical/Dr_Tods_PDFs/s5_1.pdf

The Use of Indian Hemp in the Treatment of Chronic Chloral and Chronic Opium Poisoning (1889) http://www.onlinepot.org/medical/Dr_Tods_PDFs/s3_2.pdf

Therapeutical Uses and Toxic Effects of Cannabis Indica (1890)
http://www.onlinepot.org/medical/Dr_Tods_PDFs/s3_3.pdf

Cannabis Indica as an Anodyne and Hypnotic (1891)
http://www.onlinepot.org/medical/Dr_Tods_PDFs/s3_4.pdf
Physical, Mental, and Moral Effects of Marijuana: The Indian Hemp Drugs Commission Report (1894)  http://www.druglibrary.org/schaffer/Library/effects.htm

A Practical treatise on nervous exhaustion (neurasthenia) aka Chronic Fatigue Syndrome (full – 1894)  https://archive.org/details/apracticaltreat03beargoog


A Contribution to the Pharmacology of Cannabis Indica (1898)  http://www.onlinepot.org/medical/Dr_Tods_PDFs/s5_2.pdf

Cannabis Indica Poisoning (1899)  http://www.onlinepot.org/medical/Dr_Tods_PDFs/s2_2.pdf

Two cases of Poisoning by Cannabis Indica (1900)  http://www.onlinepot.org/medical/Dr_Tods_PDFs/s2_3.pdf

ON INDICATIONS OF THE HACHISH-VICE IN THE OLD TESTAMENT (1903)  http://www.druglibrary.org/schaffer/hemp/history/hashot.htm

A British Study of Cannabis (Circa 1910)  http://www.ukcia.org/research/red-eye.php


The Physiological Activity of Cannabis Sativa (1913)  http://www.druglibrary.org/schaffer/hemp/history/japa.htm


Narcotic Control in the State of Washington (link to PDF - 1923)  http://jama.ama-assn.org/cgi/reprint/80/18/1335?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=3200&resourcetype=HWCIT


MARIJUANA SMOKING IN PANAMA (1933)
HISTORY - ANCIENT USE

Ancient Psychoactive Incense and Preparations (news- undated)

Ayurvedic Herbs – Cannabis (article – undated)
http://www.indianmirror.com/ayurveda/cannabis.html

HEMP AS A MEDICAMENT : History of the medicinal use of hemp (full - 1955)
http://www.bushka.cz/KabelikEN/history.html

Pharmacy in medieval Islam and the history of drug addiction. (full - 1972)

EARLY DIFFUSION AND FOLK USES OF HEMP (full – 1975)
http://khem-caigan.livejournal.com/3259.html

Marijuana - The First Twelve Thousand Years (book – 1980)
http://www.druglibrary.org/Schaffer/hemp/history/first12000/abel.htm
The Religious and Medicinal Uses of Cannabis in China, India and Tibet (full - 1981)  

Hashish in Islam 9th to 18th century. (full - 1982)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1805385/?tool=pmcentrez&page=1

Hashish and drug abuse in Egypt during the 19th and 20th centuries. (full - 1985)  

Thandai and chilam: traditional Hindu beliefs about the proper uses of Cannabis.  
(abst – 1985)  

SCIENCE WATCH; Marijuana Medication (news – 1993)  

Physical evidence for the antiquity of Cannabis sativa L. (full – 1998)  
http://druglibrary.net/olsen/HEMP/IHA/jiha5208.html

http://www.fsjournal.org/article/S0379-0738%2899%2900204-2/abstract

Assortment of the plants in the Medieval diet in Czech countries (based on archaeobotanical finds). (abst – 2000)  

Cannabis in Traditional Indian Herbal Medicine (full - 2001)  
http://www.academia.edu/188844/Cannabis_in_Traditional_Indian_Herbal_Medicine_pre-publication_draft

The Therapeutic Use of Cannabis sativa (L.) in Arabic Medicine (full – 2001)  

The Medical Use of Cannabis Among the Greeks and Romans (full - 2002)  

The Medical use of Cannabis in Germany (full – 2002)  
http://jod.sagepub.com/content/32/2/607.full.pdf+

The Unconstitutional Prohibition of Cannabis (forum post- full - 2002?)  

Jesus Healed Using Cannabis (news - 2003)  

Indigenous Uses and Ethnobotany of Cannabis sativa L. (Hemp) in Uttarakhand (India) (link to PDF - 2004)  
http://www.informaworld.com/smpp/content~db=all?content=10.1300/J237v09n01_07

Cannabis in India: ancient lore and modern medicine (full - 2005)
Recent palaeoenvironmental evidence for the processing of hemp (Cannabis sativa L.) in eastern England during the medieval period (full – 2005)

History of cannabis as a medicine: a review (full - 2006)

A new insight into Cannabis sativa (Cannabaceae) utilization from 2500-year-old Yanghai Tombs, Xinjiang, China (full – 2006)

Cannabis, hemp and hashish: always returning (abst – 2006)

The Emperor Wears No Clothes (book - 2007)

Phytochemical and genetic analyses of ancient cannabis from Central Asia. (full – 2008)

Results of molecular analysis of an archaeological hemp (Cannabis sativa L.) DNA sample from North West China (abst – 2008)

The Great Keneh Bosem Debate - Part 1 (article – 2009)

Part 2 of the Great Keneh Bosem Debate: (article – 2009)

Analysis of Cannabinoids from Leaves of Ancient Cannabis sativa Found in Yanghai Xinjiang, China (abst – 2011)

Ancient Egypt and Cannabis (news – 2011)

Cannabis and Women's Health Part 1: Historic Evidence (news – 2011)

Comment on "Did Jesus use cannabis?" (forum post – 2011)
Archaeobotanical study of ancient food and cereal remains at the Astana cemeteries, Xinjiang, China. (full – 2012) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0045137


HISTORY - 1937 to present


THE RELATIVE ACTIVITY OF VARIOUS PURIFIED PRODUCTS OBTAINED FROM AMERICAN GROWN HASHISH (abst - 1938) http://jpet.aspetjournals.org/content/62/2/239.abstract?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=640&resourcetype=HWCIT

Description of the Hashish Experience (1938) http://www.onlinepot.org/medical/Dr_Tods_PDFs/s2_5.pdf


Marijuana (1942) http://www.onlinepot.org/medical/Dr_Tods_PDFs/s5_4.pdf

The La Guardia Committee Report (1944) http://www.druglibrary.org/schaffer/Library/studies/lag/lagmenu.htm

PERSONALITY STUDIES OF MARIHUANA ADDICTS     (1945)
http://www.pep-web.org/document.php?id=paq.017.0131c

MARIHUANA, AN INTOXICANT     (1945)

MARIHUANA AND AGGRESSIVE CRIME     (abst - 1946)

Anti-epileptic Action of Marijuana-Active Substances     (full - 1949)

Marijuana in medicine: past, present and future.     (1969)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1503422/?tool=pmcentrez

The marijuana problem.     (full – 1971)

Survey of adolescent drug use. I. Sex and grade distribution.     (full – 1971)

The Marihuana Tax Act of 1937     (full - 1971)
http://www.druglibrary.org/schaffer/hemp/taxact/mjtaxact.htm

The Report of the National Commission on Marihuana and Drug Abuse
Marihuana: A Signal of Misunderstanding     (full – 1972)
http://www.druglibrary.org/schaffer/library/studies/nc/ncmenu.htm

Decriminalization, demythologizing, desymbolizing and deemphasizing marijuana.

Untoward effects of drug education.     (full – 1973)

Marihuana and drug abuse. Recommendations of the Committee on Public Health, New
York Academy of Medicine.     (full - 1973)

Paraquat and marijuana: epidemiologic risk assessment.     (full - 1978)

Detection and analysis of paraquat in confiscated marijuana samples.     (abst – 1978)

Marijuana - The First Twelve Thousand Years     (book – 1980)
http://www.druglibrary.org/Schaffer/hemp/history/first12000/abel.htm

MARIJUANA RESCHEDULING PETITION RULING- JUDGE FRANCIS L. YOUNG
Physicians' attitudes toward the legalization of marijuana use. (full – 1989)  

A Comparative Appraisal of the Health and Psychological Consequences of Alcohol, Cannabis, Nicotine and Opiate Use  (full – 1995)  
http://www.druglibrary.org/SCHAFFER/hemp/general/who-index.htm

To Prescribe Or Not To Prescribe? (news – 1996)  
http://www.time.com/time/nation/article/0,8599,7410,00.html

Workshop on the Medical Utility of Marijuana  (full - 1997)  

Green Light for Pot? (news – 1997)  
http://www.time.com/time/nation/article/0,8599,9031,00.html

Cannabis as medicine: time for the phoenix to rise? (full – 1998)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1112898/?tool=pubmed

Cannabis Report of the Swiss Federal Commission For Drug Issues (EKDF)  
(full - 1999)  
http://www.ukcia.org/research/ekdf.pdf

MARIJUANA AND MEDICINE: ASSESSING THE SCIENCE BASE  
(full – 1999)  
http://www.druglibrary.org/SCHAFFER/Library/studies/iom/IOMReport.htm

Cannabis: Time for Scientific Evaluation of This Ancient Remedy? (full - 2000)  

A REPORT OF THE NATIONAL COMMISSION ON GANJA TO Rt. Hon. P.J. PATTERSON, Q.C., M.P. PRIME MINISTER OF JAMAICA  
(full - 2001)  

Chronic Cannabis Use in the Compassionate Investigational New Drug Program: An Examination of Benefits and Adverse Effects of Legal Clinical Cannabis  
(full – 2002)  

The Unconstitutional Prohibition of Cannabis  (as a forum post- full - 2002?)  

Medicinal use of cannabis in the United States: Historical perspectives, current trends, and future directions  
(full - 2003)  
http://www.letfreedomgrow.com/cmu/JOM_5-3-03-Carter.pdf

Medical Marijuana and the Supreme Court  (article – 2005)  


The war on marijuana: The transformation of the war on drugs in the 1990s (full - 2006) http://www.harmreductionjournal.com/content/3/1/6

Why I'm Not Against, Like, Oh Wow Man, Pot (news – 2006) http://www.time.com/time/nation/article/0,8599,1564430,00.html#ixzz21ILQJvFE


Retail marijuana purchases in designer and commercial markets in New York City: sales units, weights, and prices per gram. (full – 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2077843/?tool=pubmed


Medi-Cal pays pot-related expenses (news – 2007) http://www.mapinc.org/norml/v07/n809/a08.htm


While You Were Weekending: California Makes Pot an Infraction (news – 2010)
No Medical Marijuana Limits: California Supreme Court  (news – 2010)

V.A. Easing Rules for Users of Medical Marijuana  (news – 2010)

Pot Prices Go Viral: Crowdsourcing the Drug Deal?  (news – 2010)

Marijuana: Retired Cops, Judges and Lawyers Push to Legalize  (news – 2010)

UC studies show marijuana has therapeutic value, reports to legislature  (news – 2010)

Global Commission Drug Report  (links to full, various languages – 2011)
http://www.globalcommissionondrugs.org/Report

How well do international drug conventions protect public health?  (abst - register free for full – 2011)
http://www.thelancet.com/journals/lancet/article/PIIS0140-6736(11)61423-2/fulltext

Reported value of cannabis seizures in Australian newspapers: are they accurate?  (abst – 2011)

Popular intoxicants: what lessons can be learned from the last 40 years of alcohol and cannabis regulation?  (abst – 2011)

Medical grade cannabis (MGC): regulation mechanisms, the present situation around the world and in Israel  (abst – 2011)

In decades-old program, Uncle Sam provides pot  (news – 2011)

http://www.canorml.org/camjlaws.html

Worth Repeating: You Can’t Censor Cannabis Cancer Treatment  (news – 2011)
http://www.tokeofthetown.com/2011/03/worth_repeating_you_cant_censor_cannabis_cancer_tr.php#more

Legalizing Medical Marijuana Does Not Increase Use Among Youth, Study Suggests  (news - 2011)
It can't hurt to ask; a patient-centered quality of service assessment of health canada's medical cannabis policy and program. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3285527/?tool=pubmed

Medical Marijuana: Clearing Away the Smoke (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3358713/


Former Supreme Court justice blasts minimum sentences for marijuana offenders. (article - 2012) http://www.cmaj.ca/content/early/2012/04/02/cmaj.109-4171.long


Pat Robertson: Marijuana Should Be Treated Like Alcohol (news – 2012) http://newsfeed.time.com/2012/03/08/pat-robertson-marijuana-should-be-treated-like-alcohol/#ixzz21IJjtlml


**HIV / AIDS**

Therapeutic Aspects of Cannabis and Cannabinoids  
(full - 2001)  

Short-term effects of cannabinoids in patients with HIV-1 infection  
(full - 2003)  

US Patent 6630507 - Cannabinoids as antioxidants and neuroproteants  
(Assignee (owner) - the US GOVERNMENT!)  
http://www.patentstorm.us/patents/6630507/fulltext.html

Cannabis and the brain.  
(full - 2003)  
http://brain.oxfordjournals.org/cgi/content/full/126/6/1252

Therapeutic potential of cannabinoids in CNS disease.  
(abst - 2003)  

Cannabis Use in HIV for Pain and Other Medical Symptoms  
(full - 2004)  
http://www.jpsmjournal.com/article/S0885-3924(05)00063-1/fulltext

Marijuana Use Does Not Accelerate HIV Infection  
(news - 2004)  

Mechanisms of HIV-1 inhibition by the lipid mediator N-arachidonoyldopamine.  
(full – 2005)  
http://www.jimmunol.org/content/175/6/3990.long

Stimulation of cannabinoid receptor 2 (CB2) suppresses microglial activation  
(link to PDF – 2005)  
http://www.springerlink.com/content/tq777102q4185073/fulltext.html

Smoked cannabis therapy for HIV-related painful peripheral neuropathy  
(abst - 2005)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=172

Cannabis: Use in HIV for Pain and Other Medical Symptoms  
(abst - 2005)  

The endocannabinoid system in targeting inflammatory neurodegenerative diseases  
(full - 2007)  
http://www.academia.edu/5172933/The_endocannabinoid_system_in_targeting_inflammatory_neurodegenerative_diseases

THC improves appetite and reverses weight loss in AIDS patients  
(abst - 2007)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=189

Dronabinol and marijuana in HIV-positive marijuana smokers: caloric intake, mood, and sleep.  
(abst - 2007)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=190

Cannabis in painful HIV-associated sensory neuropathy  
(abst - 2007)
Marijuana as therapy for people living with HIV/AIDS: Social and health aspects  
(http://www.unboundmedicine.com/medline/ebm/record/17364413/abstract/Marijuana_as_therapy_for_people_living_with_HIV/AIDS:_Social_and_health_aspects)

Cannabis may be safe and effective for HIV-related neuropathic pain  
(news - 2007)  

Smoked Cannabis Reduces Foot Pain Associated With HIV In Placebo Trial  
(news - 2007)  
(http://www.sciencedaily.com/releases/2007/02/070212185335.htm)

Marijuana gives relief from chronic pain for AIDS sufferers  
(news - 2007)  
(http://www.news-medical.net/news/2007/02/14/21906.aspx)

Recreational Drug Use and T Lymphocyte Subpopulations in HIV-uninfected and HIV-infected Men  
(full - 2008)  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2691391/?tool=pmcentrez)

Smoked Medicinal Cannabis for Neuropathic Pain in HIV: A Randomized, Crossover Clinical Trial  
(full - 2008)  
(http://www.nature.com/npp/journal/v34/n3/abs/npp2008120a.html)

Cannabinoid CB2 receptors in human brain inflammation  
(full - 2008)  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219537/)

Cannabinoids Inhibit HIV-1 Gp120-Mediated Insults in Brain Microvascular Endothelial Cells  
(full - 2008)  
(http://www.jimmunol.org/cgi/content/full/181/9/6406?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&resourcetype=HWCIT)

Denbinobin, a naturally occurring 1,4-phenanthrenequinone, inhibits HIV-1 replication through an NF-kappaB-dependent pathway.  
(abort - 2008)  
(http://marijuana.researchtoday.net/archive/5/10/2003.htm)

Marijuana Effectiveness as an HIV Self-Care Strategy  
(abort - 2009)  
(http://cnr.sagepub.com/cgi/content/abstract/18/2/172)

Recreational Drug Use and Risk of Kaposi's Sarcoma in HIV- and HHV-8-Coinfected Homosexual Men  
(abort - 2009)  

Marijuana Rivals Mainstream Drugs For Alleviating HIV/AIDS Symptoms  
(news - 2009)  
(http://www.sciencedaily.com/releases/2009/05/090529081627.htm)

Medical Marijuana and AIDS Related Illness  
(news – 2009)  
(https://www.marijuanadoctors.com/content/ailments/view/4?ailment=aids-related-illness)
Pharmacological Treatment of Painful HIV-Associated Sensory Neuropathy: A Systematic Review and Meta-Analysis of Randomised Controlled Trials  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3010990/?tool=pmcentrez

Immunoregulation of a CB2 receptor agonist in a murine model of neuroAIDS.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3109320/

Cannabinoids and Viral Infections  (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2903762/?tool=pmcentrez

Cannabinoid Administration Attenuates the Progression of Simian Immunodeficiency Virus  (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3131805/

Cannabinoid inhibition of macrophage migration to the trans-activating (Tat) protein of HIV-1 is linked to the CB(2) cannabinoid receptor.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2846023/?tool=pubmed

Chronic cannabinoid administration lowers viral replication in lymph nodes of SIV infected Rhesus macaques  (abst - 2010)  
http://www.fasebj.org/cgi/content/meeting_abstract/24/1_MeetingAbstracts/752.6?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=720&resourcetype=HWCIT

The endocannabinoid system in gp120-mediated insults and HIV-associated dementia.  (abst – 2010)  

Marijuana Use is Not Associated with Cervical Human Papillomavirus Natural History or Cervical Neoplasia in HIV-Seropositive or HIV-Seronegative Women  (full - 2010)  
http://cebp.aacrjournals.org/content/19/3/869.full.pdf+html

Efficacy and tolerability of high-dose dronabinol maintenance in HIV-positive marijuana smokers: a controlled laboratory study.  (abst – 2010)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=316

Cannabinoid Neuroimmune Modulation of SIV Disease.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3208744/

Tolerance to chronic delta-9-tetrahydrocannabinol (Δ⁹-THC) in rhesus macaques infected with simian immunodeficiency virus.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3140653/?tool=pubmed

Activation of cannabinoid type 2 receptors inhibits HIV-1 envelope glycoprotein gp120-induced synapse loss.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3164336/

Immunomodulatory properties of kappa opioids and synthetic cannabinoids in HIV-1 neuropathogenesis.  (abst – 2011)  
HIV-1 infection and alcohol abuse: neurocognitive impairment, mechanisms of neurodegeneration and therapeutic interventions. (abst – 2011)  


Cannabinoid Administration Halts Disease Progression, Decreases Mortality In Primate Version of Human Immunodeficiency Virus (HIV) (news – 2011)  

Science: Cannabis influences blood levels of appetite hormones in people with HIV (news – 2011)  

Cannabinoid Receptor 2-Mediated Attenuation of CXCR4-Tropic HIV Infection in Primary CD4+ T Cells (full – 2012)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0033961

The Therapeutic Potential of Cannabis and Cannabinoids (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3442177/

The role of the endocannabinoid system in eating disorders: pharmacological implications. (abst – 2012)  

A pilot study of the effects of cannabis on appetite hormones in HIV-infected adult men. (abst – 2012)  

Cannabis use and HIV antiretroviral therapy adherence and HIV-related symptoms. (abst – 2012)  

Marijuana-Like Chemicals Inhibit Human Immunodeficiency Virus (HIV) in Late-State AIDS (news – 2012)  
http://www.sciencedaily.com/releases/2012/03/120320195252.htm

Cannabinoid drugs can directly inhibit HIV in late-stage AIDS (news – 2012)  

Cannabinoid receptors give cells the tools they need to defend against HIV infection (news – 2012)  
http://www.naturalnews.com/035656_cannabinoids_HIV_marijuana.html

California pot research backs therapeutic claims (news – 2012)  
http://www.sacbee.com/2012/07/12/4625608/california-pot-research-backs.html

Magnitude of stimulation dictates the cannabinoid-mediated differential T cell response to HIVgp120 (full – 2013)  
http://www.jleukbio.org/content/92/5/1093.full
Marijuana Smoking Does Not Accelerate Progression of Liver Disease in HIV-Hepatitis C Coinfection: A Longitudinal Cohort Analysis. (full – 2013) http://cid.oxfordjournals.org/content/early/2013/07/03/cid.cit378.long

CB2 Receptor Agonists Protect Human Dopaminergic Neurons against Damage from HIV-1 gp120. (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0077577


Study: cannabis compound might have use as an HIV drug (news – 2013) http://www.wired.co.uk/news/archive/2013-05/1/cannabis-hiv-drug


**HORMONES**


Dysregulated Cannabinoid Signaling Disrupts Uterine Receptivity for Embryo Implantation (full - 2001) http://www.jbc.org/content/276/23/20523.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid+estrogen&searchid=1&FIRSTINDEX=0&resourcetype=HWTCT


Estrogen stimulates arachidonoylethanolamide release from human endothelial cells and platelet activation  
(full – 2002)  
http://bloodjournal.hematologylibrary.org/content/100/12/4040.full

The endogenous cannabinoid, anandamide, activates the hypothalamo-pituitary-adrenal axis in CB1 cannabinoid receptor knockout mice.  
(abst – 2003)  

Cannabinoid receptor type 1 (CB1) affects hypothalamic-pituitary-adrenal (HPA) axis activity at cerebral and pituitary level  
(abst – 2003)  

Endogenous Cannabinoids Take the Edge off Neuroendocrine Responses to Stress  
(full – 2004)  

Regulation of Gonadotropin-Releasing Hormone Secretion by Cannabinoids  
(full - 2005)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1237039/?tool=pmcentrez

Effects of cannabinoids on hypothalamic and reproductive function.  
(abst – 2005)  

Jekyll and Hyde: Two Faces of Cannabinoid Signaling in Male and Female Fertility  
(full - 2006)  

The emerging role of the endocannabinoid system in endocrine regulation and energy balance.  
(full - 2006)  

Cannabinoids attenuate norepinephrine-induced melatonin biosynthesis in the rat pineal gland by reducing aryalkylamine N-acetyltransferase activity without involvement of cannabinoid receptors.  
(full – 2006)  

The impact of obesity on reproduction in women with polycystic ovary syndrome.  
(full – 2006)  

Cannabis reward: biased towards the fairer sex?  
(full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190004/

Cannabinoid self-administration in rats: sex differences and the influence of ovarian function  
(full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190022/

The rat pineal gland comprises an endocannabinoid system.  
(abst – 2008)  

Estrogenic induction of cannabinoid CB1 receptor in human colon cancer cell lines.  
(abst - 2008)  

Localisation and Function of the Endocannabinoid System in the Human Ovary

Type 1 Cannabinoid Receptor-Containing Axons Innervate Hypophysiotropic Thyrotropin-Releasing Hormone-Synthesizing Neurons (full – 2009) http://endo.endojournals.org/content/150/1/98.full?id=f5b14012-9f8e-4f10-890c-386313060cf8


Endogenous cannabinoid signaling is essential for stress adaptation (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2889099/?tool=pmcentrez

Regulation of the Hypothalamic-Pituitary-Adrenal Axis Circadian Rhythm by Endocannabinoids Is Sexually Diergic (full – 2010) http://endo.endojournals.org/content/151/8/3720.full?id=f9729ecf-d221-42d4-81d8-8545db5f878


The relationship between plasma levels of the endocannabinoid, anandamide, sex steroids, and gonadotrophins during the menstrual cycle. (abst - 2010) http://www.ncbi.nlm.nih.gov/pubmed/19200965


Gender-dependent increases with healthy aging of the human cerebral cannabinoid-type 1 receptor binding using [(18)F]MK-9470 PET.  (abst – 2011)  

Antinociception and sedation following intracerebroventricular administration of Δ⁹-tetrahydrocannabinol in female vs. male rats.  (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/20692296/abstract/Antinociception_and_sedation_following_intracerebroventricular_administration_of_%CE%94%E2%81%B9_tetrahydrocannabinol_in_femal_vs_male_rats

Interaction of endocannabinoid system and steroid hormones in the control of colon cancer cell growth.  (abst – 2011)  

CB1 cannabinoid receptor mediates glucocorticoid effects on hormone secretion induced by volume and osmotic changes.  (abst – 2011)  

My Green Valentine: Sex and marijuana  (interview – 2011)  

Science: Cannabis influences blood levels of appetite hormones in people with HIV  
(new – 2011)  

Sex Hormones Levels as Influenced by Cannabis sativa in Rats and Men  
(full – 2012)  

Minireview: Endocannabinoids and Gonadal Hormones: Bidirectional Interactions in Physiology and Behavior  
(full – 2012)  

Chronic Cannabis Abuse, Delta-9-tetrahydrocannabinol and Thyroid Function.  
(full – 2012)  

Cannabinoid CB(1) receptor mediates glucocorticoid effects on hormone secretion induced by volume and osmotic changes.  (abst – 2012)  

Implantation failure in mice with a disruption in Phospholipase C beta 1 gene: lack of embryonic attachment, aberrant steroid hormone signalling and defective endocannabinoid metabolism  (abst – 2012)  
http://molehr.oxfordjournals.org/content/19/5/290.abstract?sid=2b139c7f-6412-4e33-a776-fa513641fd18

Progesterone-dependent regulation of endometrial cannabinoid receptor type 1 (CB1-R) expression is disrupted in women with endometriosis and in isolated stromal cells exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD).  (abst – 2012)  
Effects of gonadal hormones on the peripheral cannabinoid receptor 1 (CB1R) system under a myositis condition in rats. (abst – 2012)  

Estrogens and Spermiogenesis: New Insights from Type 1 Cannabinoid Receptor Knockout Mice. (full – 2013)  
http://www.hindawi.com/journals/ije/2013/501350/

The Endocannabinoid System and Spermatogenesis. (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3864102/

The Endocannabinoid System and Sex Steroid Hormone-Dependent Cancers (full – 2013)  
http://www.hindawi.com/journals/ije/2013/259676/

Lipids and addiction: how sex steroids, prostaglandins, and cannabinoids interact with drugs of abuse. (abst – 2013)  

Male and Female Rats Differ in Brain Cannabinoid CB1 Receptor Density and Function and in Behavioural Traits Predisposing To Drug Addiction: Effect of Ovarian Hormones. (abst – 2013)  

Anandamide modulates the neuroendocrine responses induced by extracellular volume expansion. (abst – 2013)  

The role of androgen receptor in transcriptional modulation of cannabinoid receptor type 1 gene in rat trigeminal ganglia. (abst – 2013)  

Expression of the cannabinoid receptor type 1 in the pituitary of rabbits and its role in the control of LH secretion. (abst – 2013)  

Endocannabinoid Signaling in Hypothalamic-Pituitary-Adrenocortical Axis Recovery Following Stress: Effects of Indirect Agonists and Comparison of Male and Female Mice. (abst – 2013)  

The inhibitory effect of anandamide on oxytocin and vasopressin secretion from neurohypophysis is mediated by nitric oxide. (abst – 2013)  

The CB1 receptor mediates the peripheral effects of ghrelin on AMPK activity but not on growth hormone release (abst – 2013)  
http://www.fasebj.org/content/27/12/5112.abstract?sid=7a3e6978-9a8c-4319-bca1-9f80fed2445f

The regulation of food intake by the gut-brain axis: implications for obesity (abst – 2013)  
http://www.nature.com/ijo/journal/v37/n5/full/ijo201293a.html

Pregnenolone can protect the brain from cannabis intoxication. (abst – 2014)  

Honokiol inhibits androgen receptor activity in prostate cancer cells (abst – 2014)


**HPV/ HUMAN PAPILLOMA VIRUS**

Marijuana use and cervical HPV/neoplasia (abst - 2008) http://www.infectagentscancer.com/content/4/S2/P15

Bogarting that joint might decrease oral hpv among cannabis users. (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2794675/?tool=pubmed

Cannabinoids and Viral Infections (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2903762/?tool=pmcentrez

Marijuana Use is Not Associated with Cervical Human Papillomavirus Natural History or Cervical Neoplasia in HIV-Seropositive or HIV-Seronegative Women (full - 2010) http://cebp.aacrjournals.org/content/19/3/869.full.pdf+html

**HYPEREMESIS** – see CANNABINOID HYPEREMESIS

**HUNTINGTON’S DISEASE**


Loss of cannabinoid CB(1) receptors in the basal ganglia in the late akinetic phase of rats with experimental Huntington's disease. (abst – 2002)  

Compounds acting at the endocannabinoid and/or endovanilloid systems reduce hyperkinesia in a rat model of Huntington's disease. (abst – 2003)  


The endocannabinoid system and Huntington's disease. (abst – 2003)  

Structure, expression and regulation of the cannabinoid receptor gene (CB1) in Huntington's disease transgenic mice. (full – 2004)  

Delayed onset of Huntington's disease in mice in an enriched environment correlates with delayed loss of cannabinoid CB1 receptors. (abst – 2004)  

Cannabinoid control of motor function at the basal ganglia. (abst – 2005)  

Abnormal sensitivity to cannabinoid receptor stimulation might contribute to altered gamma-aminobutyric acid transmission in the striatum of R6/2 Huntington's disease mice. (abst – 2005)  

Nabilone Could Treat Chorea and Irritability in Huntington’s Disease (letter - 2006)  

UCM707, an inhibitor of the anandamide uptake, behaves as a symptom control agent in models of Huntington's disease and multiple sclerosis, but fails to delay/arrest the progression of different motor-related disorders. (abst – 2006)  

Cannabinoids and neuroprotection in motor-related disorders. (abst - 2007)  

Altered Lipid Metabolism in Brain Injury and Disorders (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2293298/?tool=pmcentrez


Microglial CB2 cannabinoid receptors are neuroprotective in Huntington's disease excitotoxicity (full - 2009) http://brain.oxfordjournals.org/content/132/11/3152.long


Widespread Decrease of Type 1 Cannabinoid Receptor Availability in Huntington Disease In Vivo (full – 2010) http://jnm.snmjournals.org/cgi/content/full/51/9/1413


The endocannabinoid system in gp120-mediated insults and HIV-associated dementia.  

Behavioural and molecular consequences of chronic cannabinoid treatment in Huntington's disease transgenic mice.  

Drugs that reduce activity of ABDH6 enzyme can prevent brain damage: Study  

Is lipid signaling through cannabinoid 2 receptors part of a protective system?  
(full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Prospects for cannabinoid therapies in basal ganglia disorders.  
(full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165947/

Loss of striatal type 1 cannabinoid receptors is a key pathogenic factor in Huntington's disease.  
(full – 2011)  http://brain.oxfordjournals.org/content/134/1/119.long

Neuroprotective effects of phytocannabinoid-based medicines in experimental models of Huntington's disease.  

Worsening of Huntington disease phenotype in CB1 receptor knockout mice.  

Metabolic and Type 1 cannabinoid receptor imaging of a transgenic rat model in the early phase of Huntington disease  
(abst – 2011)  http://www.unboundmedicine.com/medline/ebm/record/21459091/abstract/Metabolic_and_Type_1_cannabinoid_receptor_imaging_of_a_transgenic_rat_model_in_the_early_phase_of_Huntington_disease

Unbalance of CB1 receptors expressed in GABAergic and glutamatergic neurons in a transgenic mouse model of Huntington's disease.  

Cannabinoid modulation of neuroinflammatory disorders.  
(full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3386505/

The dynamic nature of type 1 cannabinoid receptor (CB1) gene transcription  

Review article: The endocannabinoid system in normal and pathological brain ageing  
(full – 2012)


Sativex-like Combination of Phytocannabinoids is Neuroprotective in Malonate-Lesioned Rats, an Inflammatory Model of Huntington's Disease: Role of CB(1) and CB(2) Receptors. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22860209

Downregulation of cannabinoid receptor 1 from neuropeptide Y interneurons in the basal ganglia of patients with Huntington's disease and mouse models. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/23167744


CNR1 variation is associated with the age at onset in Huntington disease. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23747361


The cytokine and endocannabinoid systems are co-regulated by NF-κB p65/RelA in cell culture and transgenic mouse models of Huntington's disease and in striatal tissue from Huntington's disease patients. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/24360910

**HYPEREKPLEXIA DISEASE**

Presynaptic glycine receptors as a potential therapeutic target for hyperekplexia disease.
HYPEREMESIS  see CANNABINOID HYPEREMESIS SYNDROME

HYSTERECTOMY - See pre 2000 List

IBS/IBD  - also see BOWEL DISORDERS

MARIJUANA AND IRRITABLE BOWEL SYNDROME (IBS)
(anecdotal- undated) http://www.rxmarihuana.com/christine.htm

Endometriosis by Kim  (anecdotal – undated)
http://rxmarijuana.com/shared_comments/Endometriosis.htm

Inflammation and cancer IV. Colorectal cancer in inflammatory bowel disease: the role of inflammation.  (full - 2004) http://ajpgi.physiology.org/cgi/content/full/287/1/G7

Fibromyalgia, IBS, and the Endocannabinoid-CB-Receptor (ECBR) system

Cannabis-based drugs could offer new hope for inflammatory bowel disease patients


Inflammatory Bowel Disease May Respond To Cannabis-Derived Drugs  (news - 2005) http://www.medpagetoday.com/Gastroenterology/InflammatoryBowelDisease/1548

Cannabinoids and gastrointestinal motility: animal and human studies.
(link to PDF - 2008) http://www.europeanreview.org/article/519


BENEFICIAL EFFECT OF AN ORAL CANNABINOID IN PATIENTS WITH IBS
Cannabis Hope for Inflammatory Bowel Disease  (news - 2009)

Alternatives: Miracle Marijuana  (anecdotal/news - 2009)
http://www.heretohelp.bc.ca/visions/cannabis-vol5/alternatives

Cannabidiol reduces intestinal inflammation through the control of neuroimmune axis.  
(full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3232190/?toll=pubmed

Is lipid signaling through cannabinoid 2 receptors part of a protective system?  
(full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

The endogenous cannabinoid system in the gut of patients with inflammatory bowel disease.  

Pharmacogenetic Trial of a Cannabinoid Agonist Shows Reduced Fasting Colonic Motility in Patients with Non-Constipated Irritable Bowel Syndrome.  

Cannabis use amongst patients with inflammatory bowel disease.  

Role of cannabinoid receptors and RAGE in inflammatory bowel disease.  

Cannabis Use Common Among Patients With Inflammatory Bowel Disease, Study Says  

Irritable bowel syndrome: a dysfunction of the endocannabinoid system?  
(full – 2012)  http://www.gastrojournal.org/article/S0016-5085%2811%2901710-0/fulltext

The Gastrointestinal Pharmacology of Cannabinoids: Focus on Motility.  

Irritable Bowel Syndrome: Methods, Mechanisms, and Pathophysiology. Genetic epidemiology and pharmacogenetics in irritable bowel syndrome  
(full – 2012)  http://ajpgi.physiology.org/content/302/10/G1075

Gut microbiota and the development of obesity.  


Agents that act luminally to treat diarrhoea and constipation. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22945441


Endocannabinoid and Cannabinoid-Like Fatty Acid Amide Levels Correlate with Pain-Related Symptoms in Patients with IBS-D and IBS-C: A Pilot Study. (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3874007/

Industrial hemp decreases intestinal motility stronger than indian hemp in mice. (link to PDF – 2013) http://www.europeanreview.org/article/3266


Interleukin 17A evoked mucosal damage is attenuated by cannabidiol and anandamide in a human colonic explant model. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/24238999
Inhibition of fatty acid amide hydrolase (FAAH) as a novel therapeutic strategy in the treatment of pain and inflammatory diseases in the gastrointestinal tract  (abst – 2013)  

Decreased Enteric Fatty Acid Amide Hydrolase Activity is Associated with Colonic Inertia in Slow Transit Constipation  (abst – 2013)  

Marijuana use patterns among patients with inflammatory bowel disease.  (abst – 2013)  

IBD: Patients with IBD find symptom relief in the Cannabis field  (abst – 2013)  
http://www.nature.com/nrgastro/journal/vaop/ncurrent/full/nrgastro.2013.245.html

Still Believe Nature Got It Wrong? Top 10 Health Benefits of Marijuana  (news – 2013)  
http://www.wakingtimes.com/2013/05/01/still-believe-nature-got-it-wrong-top-10-health-benefits-of-marijuana/

Association of cannabinoid type 1 receptor and fatty acid amide hydrolase genetic polymorphisms in Chinese patients with irritable bowel syndrome.  (abst – 2014)  

Selective inhibition of FAAH produces antidiarrheal and antinociceptive effect mediated by endocannabinoids and cannabinoid-like fatty acid amides.  (abst – 2014)  

**IBUPROFEN**  – blocks the breakdown of anandamide which is what actually relieves your pain

Differences in the pharmacological properties of rat and chicken brain fatty acid amidoxydrolase.  (full – 2000)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1572338/

Effects of pH on the inhibition of fatty acid amidohydrolase by ibuprofen.  (full – 2001)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1572815/

Acidic nonsteroidal anti-inflammatory drugs inhibit rat brain fatty acid amide hydrolase in a pH-dependent manner.  (abst – 2003)  

Anandamide metabolism by fatty acid amide hydrolase in intact C6 glioma cells. Increased sensitivity to inhibition by ibuprofen and flurbiprofen upon reduction of extracellular but not intracellular pH.  (abst – 2003)  

Synergistic antinociceptive effects of anandamide, an endocannabinoid, and nonsteroidal anti-inflammatory drugs in peripheral tissue: a role for endogenous fatty-acid ethanolamides?  (abst – 2006)  
Local interactions between anandamide, an endocannabinoid, and ibuprofen, a nonsteroidal anti-inflammatory drug, in acute and inflammatory pain. (abst – 2006)

Antihyperalgesic effects of local injections of anandamide, ibuprofen, rofecoxib and their combinations in a model of neuropathic pain. (abst – 2006)

Inhibition of fatty acid amide hydrolase, a key endocannabinoid metabolizing enzyme, by analogues of ibuprofen and indomethacin. (abst – 2009)

Cannabinoid system and cyclooxygenases inhibitors. (full - 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3056416/

Inhibitory properties of ibuprofen and its amide analogues towards the hydrolysis and cyclooxygenation of the endocannabinoid anandamide. (full – 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3606911/

**IDIOPATHIC INTRACRANIAL HYPERTENSION**


**IDRASIL** – a natural, phytocannabinoid pill, only available in California by doctor’s recommendation

Introducing Idrasil - The Marijuana Pill (ad – undated) http://idrasil.info/


European Medical Marijuana product Sativex is challenged by North America’s New Cannabis Pill Idrasil, Says Doobons (news/ad- 2012)  

Weaker Hemp Derivatives Can’t Compare to Full-Spectrum Marijuana Pills  

**IMMUNE SYSTEM**

Cannabinoids, immune system and cytokine network.  (abst – 2000)  

Immunomodulation by Cannabinoids is Absent in Mice Deficient for the Cannabinoid Cb(2) Receptor.  (abst – 2000)  

Activation of PAF receptors results in enhanced synthesis of 2-arachidonoylglycerol (2-AG) in immune cells  (full - 2002)  
http://www.fasebj.org/cgi/content/full/15/12/2171?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andorexactfulltext=and&searchid=1&FIRSTINDEX=10&sortspec=relevance&resourcetype=HWCIT

Endocannabinoids in the immune system and cancer.  (abst - 2002)  

Differential Roles of CB1 and CB2 Cannabinoid Receptors in Mast Cells  (full – 2003)  
http://www.jimmunol.org/content/170/10/4953.full?sid=590f7819-f39b-4214-abca-07231b51da55

The cannabinoid system and immune modulation  (full – 2003)  
http://www.jleukbio.org/content/74/4/486.full.pdf+html

Cannabis May Suppress Immune System  (news - 2003)  

The endocannabinoid anandamide neither impairs in vitro T-cell function nor induces regulatory T-cell generation.  (full – 2004)  
http://ar.iiarjournals.org/content/28/6A/3743.long

Cannabinoids and the immune system. Of men, mice and cells  (abst – 2004)  

Cannabinoid receptors in microglia of the central nervous system: immune functional relevance.  (full - 2005)  http://www.jleukbio.org/content/78/6/1192.long
Reduced endocannabinoid immune modulation by a common cannabinoid 2 (CB2) receptor gene polymorphism: possible risk for autoimmune disorders. (full – 2005) http://www.jleukbio.org/content/78/1/231.long


CB2 receptors in the brain: role in central immune function (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219530/?tool=pmcentrez

Anandamide and Delta9-tetrahydrocannabinol directly inhibit cells of the immune system via CB2 receptors. (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2083705/?tool=pubmed


Crucial Role of CB2 Cannabinoid Receptor in the Regulation of Central Immune Responses during Neuropathic Pain (full - 2008) http://www.jneurosci.org/cgi/content/full/28/46/12125

Endocannabinoids and Liver Disease. III. Endocannabinoid effects on immune cells: implications for inflammatory liver diseases (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2376822/?tool=pmcentrez

The cannabinoid delta-9-tetrahydrocannabinol mediates inhibition of macrophage chemotaxis to RANTES/CCL5: linkage to the CB2 receptor. (full – 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2677557/

Cannabinoid-mediated neuroprotection, not immunosuppression, may be more relevant to multiple sclerosis (full – 2008) http://www.jni-journal.com/article/S0165-5728%2807%2900396-7/fulltext


Emerging Role of the CB2 Cannabinoid Receptor in Immune Regulation and Therapeutic Prospects (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2768535/?tool=pmcentrez

Cannabidiol-induced lymphopenia does not involve NKT and NK cells. (full – 2009)
http://www.jpp.krakow.pl/journal/archive/10_09_s3/pdf/99_10_09_s3_article.pdf

CB(1) and CB(2) cannabinoid receptors mediate different aspects of delta-9-tetrahydrocannabinol (THC)-induced T helper cell shift following immune activation by Legionella pneumophila infection. (abst – 2009)

The morphology of the immune system in opiomania, cannabism, and polynarcotism (abst - 2009)
http://www.unboundmedicine.com/medline/ebm/record/19938701/full_citation/%5BThe_morphology_of_the_immune_system_in_opiomania_cannabism_and_polynarcotism%5D

Cannabinoid-induced apoptosis in immune cells as a pathway to immunosuppression. (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3005548/?tool=pubmed

Do cannabinoids have a therapeutic role in transplantation? (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2923447/?tool=pubmed

Immunoregulation of a CB2 receptor agonist in a murine model of neuroAIDS. (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3109320/

Cannabinoid receptor activation leads to massive mobilization of myeloid-derived suppressor cells with potent immunosuppressive properties (full – 2010)

Cannabinoids and Viral Infections (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2903762/?tool=pmcentre

Cannabinoids and the immune system: an overview. (abst – 2010)

Cannabidiol attenuates delayed-type hypersensitivity reactions via suppressing T-cell and macrophage reactivity. (abst – 2010)

Role of Myeloid-Derived Suppressor Cells in Amelioration of Experimental Autoimmune Hepatitis Following Activation of TRPV1 Receptors by Cannabidiol (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3069975/?tool=pmcentre

New blood brothers: the GPR55 and CB2 partnership (full – 2011)
http://www.nature.com/cr/journal/vaop/ncurrent/full/cr201177a.html

Commentary: Functional Neuronal CB2 Cannabinoid Receptors in the CNS. (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3137183/?tool=pubmed

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/
CNR2 functional variant (Q63R) influences childhood immune thrombocytopenic purpura. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3232275/

Cannabinoid Receptor 2 Is Critical for the Homing and Retention of Marginal Zone B Lineage Cells and for Efficient T-Independent Immune Responses (full – 2011) http://www.jimmunol.org/content/187/11/5720.full.pdf+html


Deletion of cannabinoid receptors 1 and 2 exacerbates APC function to increase inflammation and cellular immunity during influenza infection. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21873455


Dynamic changes to the endocannabinoid system in models of chronic pain (full – 2012) http://rstb.royalsocietypublishing.org/content/367/1607/3300.full?sid=1569c370-cd5c-4358-89ff-857201f5e069


Cannabinoid receptor-2-selective agonists improve recovery in experimental autoimmune encephalomyelitis (abst – 2012)
Differential migratory properties of monocytes isolated from human subjects naïve and non-naïve to Cannabis. (abst – 2012)  

Δ9-Tetrahydrocannabinol Impairs the Inflammatory Response to Influenza Infection: Role of Antigen Presenting Cells and the Cannabinoid Receptors 1 and 2. (abst – 2012)  

Endocannabinoid modulation of jejunal afferent responses to LPS (abst – 2012)  

Cannabinoid Receptor 2 Signaling in Peripheral Immune Cells Modulates Disease Onset and Severity in Mouse Models of Huntington's Disease. (abst – 2012)  

Involvement of the endogenous cannabinoid 2 ligand 2-arachidonoyl glycerol in allergic inflammation. (abst – 2012)  

Magnitude of stimulation dictates the cannabinoid-mediated differential T cell response to HIVgp120 (full – 2013)  
http://www.jleukbio.org/content/92/5/1093.full

Cannabinoid Receptor 2 Protects against Acute Experimental Sepsis in Mice. (full – 2013)  
http://www.hindawi.com/journals/mi/2013/741303/

http://www.jbc.org/content/early/2013/11/07/jbc.M113.503037.long

The cannabinoid receptor type 2 as mediator of mesenchymal stromal cell immunosuppressive properties. (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0080022

Cannabinoid Receptor 2 (CB2) Plays a Role in the Generation of Germinal Center and Memory B Cells, but Not in the Production of Antigen-Specific IgG and IgM, in Response to T-dependent Antigens (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0067587

Direct modulation of the outer mitochondrial membrane channel, voltage-dependent anion channel 1 (VDAC1) by cannabidiol: a novel mechanism for cannabinoid-induced cell death. (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3877544/

Targeting the Endocannabinoid System to Treat Sepsis (review – 2013)  
http://www.signavitae.com/articles/review-articles/222-targeting-the-endocannabinoid-system-to-treat-sepsis
Δ9-tetrahydrocannabinol impairs the inflammatory response to influenza infection: role of antigen-presenting cells and the cannabinoid receptors 1 and 2. (abst – 2013)  

Cannabinoid CB2 receptor gene (CNR2) polymorphism is associated with chronic childhood immune thrombocytopenia in Egypt. (abst – 2013)  

Cannabinoid Receptor 2: Potential Role in Immunomodulation and Neuroinflammation. (abst – 2013)  

Effects on Immune Cells of a New 1,8-Naphthyridin-2-One Derivative and Its Analogues as Selective CB2 Agonists: Implications in Multiple Sclerosis. (abst – 2013)  

Cannabinoid (CB)1 receptors are critical for the innate immune response to TLR4 stimulation. (abst – 2013)  

2-Arachidonoyl-glycerol- and arachidonic acid-stimulated neutrophils release antimicrobial effectors against E. coli, S. aureus, HSV-1, and RSV. (abst – 2013)  

Cannabinoids Inhibit T-cells via Cannabinoid Receptor 2 in an In Vitro Assay for Graft Rejection, the Mixed Lymphocyte Reaction. (abst – 2013)  

Cannabinoid receptor modulation of the endothelial cell inflammatory response (abst – 2013)  
http://www.jimmunol.org/cgi/content/meeting_abstract/190/1_MeetingAbstracts/112.29?sid=c3422dd2-7ad0-42e4-a862-845dc670f7cf

Intraperitoneal injection of Δ9-tetrahydrocannabinol induces local MDSCs with potent immunosuppressive properties (abst – 2013)  
http://www.jimmunol.org/cgi/content/meeting_abstract/190/1_MeetingAbstracts/208.5?sid=c3422dd2-7ad0-42e4-a862-845dc670f7cf

Palmitoylethanolamide is a New Possible Pharmacological Treatment for the Inflammation Associated with Trauma (abst – 2013)  
http://www.eurekaselect.com/106175/article

Cannabidiol provides long-lasting protection against the deleterious effects of inflammation in a viral model of multiple sclerosis: A role for A2A receptors. (abst – 2013)  

Neuroimmunne interactions of cannabinoids in neurogenesis: focus on interleukin-1β (IL-1β) signalling. (abst – 2013)  
South Carolina researchers find THC in pot could turn microRNA on or off (news – 2013)

INCONTINENCE - see BLADDER OVERACTIVITY

INDICATIONS AND CLINICAL USES *

Therapeutic aspects of cannabis and cannabinoids. (full - 2001)
http://bjp.rcpsych.org/cgi/content/full/178/2/107

http://books.google.com/books?id=JvlyVk2IL_sC&pg=PA123#v=onepage&q&f=false

Therapeutic potential of cannabinoids in CNS disease. (abst - 2003)

"Dr. Tod's List" - Chronic Conditions Treated With Cannabis (full - 2004)
(The inspiration for this List!)
http://www.letfreedomgrow.com/cmu/DrTodHMikuriya_list.htm


Marijuana-Like Compounds May Aid Array Of Debiliatiing Conditions Ranging From Parkinson's Disease To Pain (news - 2004)

Survey of Australians using cannabis for medical purposes (full - 2005)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1262744/?tool=pmcentrez

Older Americans Have Stake in Medical Marijuana Struggle (news – 2005)

Cannabinoids In Medicine: A Review Of Their Therapeutic Potential (full – 2006)

Pharmacokinetics and pharmacodynamics of cannabinoids. (abst – 2003)

Cannabinoids in health and disease. (full – 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3202504/
Pharmacological actions and therapeutic uses of cannabis and cannabinoids (full – 2008)  

Medical Use of Cannabis (marijuana) (news – 2009)  
http://www.heretohelp.bc.ca/factsheet/medical-use-of-cannabis

Information for Health Care Professionals- Marihuana (marijuana, cannabis)  dried plant for administration by ingestion or other means  (Health Canada) (full – 2010)  


Cannabis Rx: Cutting Through the Misinformation : Dr. Andrew Weil  (news - 2010)  
http://www.huffingtonpost.com/andrew-weil-md/can-cannabis-treat-cancer_b_701005.html

Cannabis and Its Derivatives: Review of Medical Use (full – 2011)  
http://www.jabfm.org/cgi/content/full/24/4/452

An Analysis of Applicants Presenting to a Medical Marijuana Specialty Practice in California  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3673028/

Medical cannabis: the opportunity versus the temptation (abst – 2011)  

Marijuana (Cannabis sativa) Mayo Clinic (news – 2011)  
http://www.mayoclinic.com/health/marijuana/NS_patient-marijuana/DSECTION=evidence

CBD Tops The Chart  (news - 2011)  

Medical Reasons for Marijuana  (news – 2011)  
http://www.livestrong.com/article/98476-medical-reasons-marijuana/

Patients Substitute Marijuana for Prescription Drugs  (news – 2011)  

Medical Marijuana: Clearing Away the Smoke  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3358713/

Therapeutic Potentials and uses of Cannabinoid Agonists in Health and Disease Conditions  (full – 2012)  
http://maxwellsci.com/print/bjpt/v3-76-88.pdf

Marijuana: modern medical chimaera.  (abst – 2012)  
The therapeutic potential of cannabis and cannabinoids. (abst – 2012) [108x697]


**INFLUENZA** - see FLU/ INFLUENZA

**INJURIES** - see WOUNDS AND INJURIES

**INTERACTIONS WITH OTHER DRUGS** *


Decrease in efficacy and potency of nonsteroidal anti-inflammatory drugs by chronic delta(9)-tetrahydrocannabinol administration. (full – 2002)  http://jpet.aspetjournals.org/content/303/1/340.long


Manipulation of the endocannabinoid system by a general anaesthetic. (full – 2003)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573927/?tool=pubmed

Modulation of oral morphine antinociceptive tolerance and naloxone-precipitated withdrawal signs by oral Delta 9-tetrahydrocannabinol. (full – 2003)  http://jpet.aspetjournals.org/content/305/3/812.long


Cannabis Abuse is Not a Risk Factor for Treatment Outcome in Methadone Maintenance Treatment: a 1-year Prospective Study in an Israeli Clinic. (abst – 2004)  http://www.ncbi.nlm.nih.gov/pubmed/14731193


Influence of medicinal cannabis (MC) on the pharmacokinetics (PK) of docetaxel (DOC) and irinotecan (CPT-11)  (abst - 2005)  http://www.aacrmeetingabstracts.org/cgi/content/abstract/2005/1/938-c?maxto=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1840&resourcetype=HWCIT


Benefits of an add-on treatment with the synthetic cannabinomimetic nabilone on patients with chronic pain - a randomized controlled trial.  (abst - 2006)  http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=197


Low dose combination of morphine and Δ9-tetrahydrocannabinol circumvents antinociceptive tolerance and apparent desensitization of receptors  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2040345/

Medicinal cannabis does not influence the clinical pharmacokinetics of irinotecan and docetaxel.  (full - 2007)  http://theoncologist.alphamedpress.org/cgi/content/full/12/3/291

Antinociceptive Synergy Between the Cannabinoid Receptor Agonist WIN 55,212-2 and Bupivacaine in the Rat Formalin Test  (full - 2007)  http://journals.lww.com/anesthesia-analgesia/Fulltext/2007/03000/Antinociceptive_Synergy_Between_the_Cannabinoid_50.aspx

The multidrug transporter ABCG2 (BCRP) is inhibited by plant-derived cannabinoids.  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190019/?tool=pubmed

Activation of cannabinoid CB1 and CB2 receptors suppresses neuropathic nociception evoked by the chemotherapeutic agent vincristine in rats.  (full – 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190028/?tool=pubmed
Additive Effects of Timolol and Cannabinoids on Intraocular Pressure in a Rat Glaucoma Model  (abst - 2007)
http://abstracts.iovs.org/cgi/content/abstract/48/5/4807?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=560&resourcetype=HWCIT

Efficacy of dronabinol alone and in combination with ondansetron versus ondansetron alone for delayed chemotherapy-induced nausea and vomiting.  (abst - 2007)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=191

Synergy between Delta(9)-tetrahydrocannabinol and morphine in the arthritic rat  (abst - 2007)
http://www.unboundmedicine.com/medline/ebm/record/17498686/abstract/Synergy_between_Delta_9__tetrahydrocannabinol_and_morphine_in_the_arthritic_rat

Science: The use of cannabis does not influence the efficacy of two anti-cancer drugs, a clinical study finds  (news - 2007)

Repeated Cannabinoid Injections into the Rat Periaqueductal Gray Enhances Subsequent Morphine Antinociception  (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2743428/?tool=pmcentrez

Priapism, ecstasy, and marijuana: is there a connection?  (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2441841/?tool=pubmed

Additive Interaction of the Cannabinoid Receptor I Agonist Arachidonyl-2-chloroethylamide with Etomidate in a Sedation Model in Mice  (full – 2008)

Propofol Sedation Is Reduced by {Delta}9-Tetrahydrocannabinol in Mice  (abst - 2008)

Interaction of plant cannabinoids with the multidrug transporter ABCC1 (MRP1).  (abst - 2008)

Enhancing the in vitro cytotoxic activity of Δ9-tetrahydrocannabinol in leukemic cells through a combinatorial approach  (abst - 2008)

Latest cannabis contamination – homosildenafil and thiohomosildenafil (AKA Viagra)  (news - 2008)
http://ukcia.org/wordpress/?p=39

Effects of Cannabinoids on Caffeine Contractures in Slow and Fast Skeletal Muscle Fibers of the Frog  (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697372/?tool=pmcentrez
Minocycline treatment inhibits microglial activation and alters spinal levels of endocannabinoids in a rat model of neuropathic pain (full – 2009) http://www.molecularpain.com/content/5/1/35

Dose Dependent effects of Celecoxib on CB-1 Agonist Induced Antinociception in mice (full – 2009) http://journals.tums.ac.ir/upload_files/pdf/14234.pdf

Cannabinoid receptor-independent cytotoxic effects of cannabinoids in human colorectal carcinoma cells: synergism with 5-fluorouracil. (abst – 2009) http://www.springerlink.com/content/45008p9643k13914/


Cannabis Coadministration Potentiates the Effects of "Ecstasy" on Heart Rate and Temperature in Humans. (abst - 2009) http://www.unboundmedicine.com/medline/abstract/Cannabis_Coadministration_Potentiates_the_Effects_of_%22Ecstasy%22_on_Heart_Rate_and_Temperature_in_Humans


Effects of cannabidiol on amphetamine-induced oxidative stress generation in an animal model of mania (abst - 2009) http://jop.sagepub.com/content/25/2/274.abstract?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabidiol&searchid=1&FIRSTINDEX=320&sortspec=date&resourcetype=HWCT


THC Prevents MDMA Neurotoxicity in Mice. (full - 2010) 
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2824821/?tool=pubmed

Attenuation of morphine antinociceptive tolerance by a CB(1) receptor agonist and an NMDA receptor antagonist: Interactive effects. (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2813317/?tool=pubmed

Adolescent cannabis use increases risk for cocaine-induced paranoia. (full - 2010)

Opioid antagonism enhances marijuana's effects in heavy marijuana smokers.

Influence of ethanol on cannabinoid pharmacokinetic parameters in chronic users

Methamphetamine neurotoxicity increases brain expression and alters behavioral functions of CB1 cannabinoid receptors. (abst – 2010)

The safety of modafinil in combination with oral ∆9-tetrahydrocannabinol in humans
(abst - 2010)
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T0N-51S0WM1-1&_user=10&_coverDate=12%2F21%2F2010&_rdoc=1&_fmt=high&_orig=search&_origin=search&_sort=d&_docanchor=&view=c&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=a35b5a1c810b0d18a28dfe6a605746310&searchtype=a

Probable Interaction Between Warfarin and Marijuana Smoking (abst - 2010)
http://www.unboundmedicine.com/medline/ebm/record/19531696/abstract/Probable_Interaction_Between_Warfarin_and_Marijuana_Smoking__July/August__

The analgesic potential of cannabinoids. (abst - 2010)

Chocolate: The Good, the Bad and the Angry (news - 2010)

Cocoa and the Search for Dietary Cannabinoids (news – 2010)

Cannabis-enhancing plant to be marketed worldwide as new drug (news – 2010)

Cannabidiol Attenuates Cisplatin-Induced Nephrotoxicity by Decreasing Oxidative/Nitrosative Stress, Inflammation, and Cell Death (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2682269/
Acute effects of MDMA (3,4-methylenedioxymethamphetamine) on EEG oscillations: alone and in combination with ethanol or THC (delta-9-tetrahydrocannabinol) (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3033515/?tool=pmcentrez

Inhibition of monoacylglycerol lipase (MAGL) attenuates NSAID-induced gastric hemorrhages in mice.  (full – 2011)  http://jpet.aspetjournals.org/content/early/2011/06/09/jpet.110.175778.long


Clozapine and SCH 23390 prevent the spatial working memory disruption induced by Δ9-THC administration into the medial prefrontal cortex.  (full – 2011)  http://www.sciencedirect.com/science/article/pii/S0006899311001533

Cannabinoid system and cyclooxygenases inhibitors  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3056416/?tool=pubmed


Possible involvement of the endocannabinoid system in memory modulation effect of general anesthetics  (abst - 2011)  http://www.unboundmedicine.com/medline/ebm/record/21555187/abstract/Possible_involvement_of_the_endocannabinoid_system_in_memory_modulation_effect_of_general_anesthetics


Cannabis in Palliative Medicine: Improving Care and Reducing Opioid-Related Morbidity  (abst - 2011)  http://ajh.sagepub.com/content/28/5/297


The interplay of cannabinoid and NMDA glutamate receptor systems in humans: preliminary evidence of interactive effects of cannabidiol and ketamine in healthy human subjects. (abst – 2011)


THC-methadone and THC-naltrexone interactions on discrimination, antinociception, and locomotion in rats. (abst - 2011)
http://www.unboundmedicine.com/medline/ebm/record/21716095/abstract/THC_methadone_and_THC_naltrexone_interactions_on_discrimination_antinociception_and_locomotion_in_rats

Pharmacokinetics of a combination of Δ9-tetrahydrocannabinol and celecoxib in a porcine model of hemorrhagic shock. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/21341278/abstract/Pharmacokinetics_of_a_combination_of_%CE%949_tetrahydro_cannabinol_and_celecoxib_in_a_porcine_model_of_hemorrhagic_shock

Low-volume binary drug therapy for the treatment of hypovolemia. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/21330941/abstract/Low_volume_binary_drug_therapy_for_the_treatment_of_hypovolemia


Pharmaceutical Drug-Herb Interaction List (news – 2011)
http://targetedcannabinoidtherapy.com/pharmaceutical-drug-herb-interaction-list


Synergistic interaction of pregabalin with the synthetic cannabinoid WIN 55,212-2 mesylate in the hot-plate test in mice: an isobolographic analysis. (full – 2012)
http://www.if-pan.krakow.pl/pip/pdf/2012/3_723.pdf
Changes of Blood Endocannabinoids during Anaesthesia: a Special Case for Fatty Acid Amide Hydrolase Inhibition by Propofol? (abst – 2012)  

Effects of amphetamine on dopamine release in the rat nucleus accumbens shell region depend on cannabinoid CB1 receptor activation. (abst – 2012)  

Effect of ACEA—a selective cannabinoid CB1 receptor agonist on the protective action of different antiepileptic drugs in the mouse pentylenetetrazole-induced seizure model. (abst – 2012)  

Effects of dronabinol on morphine-induced dopamine-related behavioral effects in animals (abst – 2012)  

Cannabis as an adjunct to or substitute for opiates in the treatment of chronic pain. (abst – 2012)  

Cannabidiol inhibits the reward-facilitating effect of morphine: involvement of 5-HT(1A) receptors in the dorsal raphe nucleus. (abst – 2012)  

The periaqueductal gray contributes to bidirectional enhancement of antinociception between morphine and cannabinoids. (abst – 2012)  

Cannabinoids May Help Prevent MDMA induced brain damage (news – 2012)  

Interactions between mu opioid receptor agonists and cannabinoid receptor agonists in rhesus monkeys: antinociception, drug discrimination, and drug self-administration. (full – 2013)  
http://jpet.aspetjournals.org/content/early/2013/03/27/jpet.113.204099.long

Treatment failure of intrathecal baclofen and supra-additive effect of nabiximols in multiple sclerosis-related spasticity: a case report (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3625014/

A Phase I, open-label, randomized, crossover study in three parallel groups to evaluate the effect of Rifampicin, Ketoconazole, and Omeprazole on the pharmacokinetics of THC/CBD oromucosal spray in healthy volunteers (full – 2013)  
http://www.springerplus.com/content/2/1/236

Single doses of THC and cocaine decrease proficiency of impulse control in heavy cannabis users. (full – 2013)  

In vitro metabolism and metabolic effects of ajulemic acid, a synthetic cannabinoid agonist (full – 2013)  
Interactions between mu opioid receptor agonists and cannabinoid receptor agonists CP55940 and WIN55212-2 in rhesus monkeys: evaluation of treatment- and abuse-related effects (abst – 2013) 
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1097.3?sid=7a3e6978-9a8c-4319-bca1-9f80fed2445f


Does olanzapine inhibit the psychomimetic effects of Δ9-tetrahydrocannabinol? (abst – 2013)  http://jop.sagepub.com/content/26/10/1307.abstract


The effects of cannabidiol and its synergism with bortezomib in multiple myeloma cell lines. A role for transient receptor potential vanilloid type-2 (abst – 2013)

Activation of type-2 cannabinoid receptor inhibits neuroprotective and antiinflammatory actions of glucocorticoid receptor α: when one is better than two. (abst – 2013)

Is Marijuana Medicinal? (news – 2013)

Pregnenolone can protect the brain from cannabis intoxication. (abst – 2014)

Acute administration of Δ9 tetrahydrocannabinol does not prevent enhancement of sensory gating by clozapine in DBA/2 mice. (abst – 2014)

Hormone shows promise at negating marijuana’s high effect (news – 2014)

Muting Marijuana’s High: Pot Without the Impairment (news – 2014)
http://healthland.time.com/2014/01/03/muting-marijuanas-high-pot-without-the-impairment/

ISAACS’ SYNDROME/ACQUIRED NEUROMYOTONIA

Cannabinoids affect dendritic cell (DC) potassium channel function and modulate DC T cell stimulatory capacity. (full – 2008) http://www.jimmunol.org/content/181/5/3057.long


Isaacs’ syndrome (forum post/anecdotal - 2011)


Current and former marijuana use: preliminary findings of a longitudinal study of effects on IQ in young adults (full - 2002) http://www.cmaj.ca/cgi/content/full/166/7/887


Differential Effects of THC or CBD-rich Cannabis Extracts on Working Memory in Rats (full - 2004) http://www.ukcia.org/research/THCCBDWorkingMemory.pdf


Early age-related cognitive impairment in mice lacking cannabinoid CB1 receptors. (full – 2005) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1266095/?tool=pubmed

Neurocognitive consequences of marihuana--a comparison with pre-drug performance (abst - 2005) http://marijuana.researchtoday.net/archive/2/2/22.htm

'Info-mania' dents IQ more than marijuana  (news – 2005)  http://news.bio-medicine.org/?q=medicine-news/e-mail-affects-brain-more-than-marijuana--4194

Cannabinoids ameliorate cerebral dysfunction following liver failure via AMP-activated protein kinase  (full - 2007)  http://www.fasebj.org/content/21/10/2431.full

The synthetic cannabinoid HU210 induces spatial memory deficits and suppresses hippocampal firing rate in rats  (full – 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2013991/

Acute effects of smoked marijuana on decision making, as assessed by a modified gambling task, in experienced marijuana users  (abst - 2007)  http://www.informaworld.com/smpp/content~content=a778611568~db=all

Cannabis Intoxication Does Not Adversely Impact Decision Making  (news - 2007)  http://www.illinoisnorml.org/content/view/558/27/

The cannabinoid CB1 receptor antagonist CE prolongs spatial memory duration in a rat delayed radial arm maze memory task  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2577903/?tool=pmcentrez


Marijuana Primes, Marijuana Expectancies, and Arithmetic Efficiency  (full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2670744/?tool=pmcentrez

Endocannabinoids in the rat basolateral amygdala enhance memory consolidation and enable glucocorticoid modulation of memory  (full - 2009)


Cannabidiol ameliorates cognitive and motor impairments in bile-duct ligated mice via 5-HT1A receptor activation. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2829220/?tool=pubmed


Impact of cannabidiol on the acute memory and psychotomimetic effects of smoked cannabis: naturalistic study. (full - 2010) http://bjp.rcpsych.org/content/197/4/285.long

Evaluating the effect of aquatic extraction of Cannabis sativa seed on spatial memory consolidation (abst - 2010) http://www.annals-general-psychiatry.com/content/9/S1/S143

Evaluating the effect of Cannabis sativa seed extraction on memory (abst - 2010) http://www.annals-general-psychiatry.com/content/9/S1/S208


Influence of cannabis use trajectories, grade repetition and family background on the school-dropout rate at the age of 17 years in France. (abst - 2010) http://www.unboundmedicine.com/medline/ebm/record/19805506/abstract/Influence_of_cannabis_use_trajectory_grade_repetition_and_family_background_on_the_school_dropout_rate_at_the_age_of_17_years_in_France


Are Stoners Really Dumb, or Do They Just Think They Are? (news – 2010) http://healthland.time.com/2010/11/18/are-stoners-really-dumb-or-do-they-just-think-they-are/
AM251, cannabinoids receptors ligand, improves recognition memory in rats.  

Tolerance and cross-tolerance to neurocognitive effects of THC and alcohol in heavy cannabis users.  
(full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3045517/

Sex, drugs, and cognition: effects of marijuana.  
(full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3089380/?tool=pubmed

Clozapine and SCH 23390 prevent the spatial working memory disruption induced by Δ9-THC administration into the medial prefrontal cortex.  

Intelligence across childhood in relation to illegal drug use in adulthood: 1970 British Cohort Study  

Sexually dimorphic effects of cannabinoid compounds on emotion and cognition.  

US Patent Application 20110257256 - CANNABINOIDS FOR USE IN TREATING OR PREVENTING COGNITIVE IMPAIRMENT AND DEMENTIA  
(full - 2011)  http://www.patentstorm.us/applications/20110257256/fulltext.html

Possible involvement of the endocannabinoid system in memory modulation effect of general anesthetics  

Early onset of aging-like changes is restricted to cognitive abilities and skin structure in Cnr1(-/-) mice.  

Sub-chronic impact of cannabinoids in street cannabis on cognition, psychotic-like symptoms and psychological well-being.  

Combined effects of THC and caffeine on working memory in rats.  

The Dopamine and Cannabinoid Interaction in the Modulation of Emotions and Cognition: Assessing the Role of Cannabinoid CB1 Receptor in Neurons Expressing Dopamine D1 Receptors.  

Endocannabinoid signaling in the amygdala: anatomy, synaptic signaling, behavior, andadaptations to stress.  
Fish oil promotes survival and protects against cognitive decline in severely undernourished mice by normalizing satiety signals.  (abst – 2011)  

Pharmacological elevation of anandamide impairs short-term memory by altering the neurophysiology in the hippocampus.  (abst – 2011)  

Effects of Chronic Marijuana Use on Brain Activity During Monetary Decision-Making.  (abst – 2011)  

Memory-rescuing effects of cannabidiol in an animal model of cognitive impairment relevant to neurodegenerative disorders.  (abst – 2011)  

Effects of endocannabinoid system modulation on cognitive and emotional behavior.  (abst – 2011)  
http://marijuana.researchtoday.net/archive/8/9/4801.htm

4-O-Methylhonokiol attenuates memory impairment in presenilin 2 mutant mice through reduction of oxidative damage and inactivation of astrocytes and the ERK pathway.  (abst – 2011)  

Study: Marijuana Not Linked With Long Term Cognitive Impairment  (news – 2011)  

“Stoner Stupid” Myth Goes Up In Smoke  (news – 2011)  

Are smart kids more likely to use drugs?  (news – 2011)  

High Childhood IQ Linked to Subsequent Illicit Drug Use, Research Suggests  (news – 2011)  

Cannabinoid-1 Receptor Protects The Brain From Aging  (news – 2011)  
http://www.medicalnewstoday.com/releases/230948.php

Bodyguard for the brain  (news – 2011)  
http://www.sciencecodex.com/bodyguard_for_the_brain

Assessing topographical orientation skills in cannabis users.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3259701/?tool=pubmed

Loss of CB1 receptors leads to differential age-related changes in reward-driven learning and memory.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3514639/

Can the benefits of cannabinoid receptor stimulation on neuroinflammation, neurogenesis and memory during normal aging be useful in AD prevention?  (full – 2012)  
http://www.jneuroinflammation.com/content/9/1/10
The endocannabinoid system: a key modulator of emotions and cognition (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3490098/

Endocannabinoids in nervous system health and disease: the big picture in a nutshell (full – 2012)  
http://rstb.royalsocietypublishing.org/content/367/1607/3193.full

Cellular and intracellular mechanisms involved in the cognitive impairment of cannabinoids (full - 2012)  
http://rstb.royalsocietypublishing.org/content/367/1607/3254.full?sid=1569c370-cd5c-4358-89ff-857201f5e069

Involvement of the endocannabinoid system in reward processing in the human brain (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3266503/

Cannabis Responsive Head Injury Induced Mutiple Disabilities: A Case Report (full - 2012)  
http://file.scirp.org/Html/9-2500130_16958.htm

Adolescent Exposure of JWH-018 “Spice” Produces Subtle Effects on Learning and Memory Performance in Adulthood (full – 2012)  
http://file.scirp.org/Html/2-3900080_19505.htm

Inhibitory effect of 4-O-methylhonokiol on lipopolysaccharide-induced neuroinflammation, amyloidogenesis and memory impairment via inhibition of nuclear factor-kappaB in vitro and in vivo models. (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3323460/

4-O-methylhonokiol prevents memory impairment in the Tg2576 transgenic mice model of Alzheimer's disease via regulation of β-secretase activity. (abst – 2012)  
http://www.ncbi.nlm.nih.gov/pubmed/22330831?dopt=Abstract&holding=f1000,f1000m,1srctn

Cannabidiol inhibits THC-elicited paranoid symptoms and hippocampal-dependent memory impairment. (abst – 2012)  

Fear relief toward a new conceptual framework and what endocannabinoids gotta do with it. (abst – 2012)  

Anandamide and 2-arachidonoylglycerol: Pharmacological Properties, Functional Features, and Emerging Specificities of the Two Major Endocannabinoids (abst - 2012)  

Dose-Related Modulation of Event-Related Potentials to Novel and Target Stimuli by Intravenous Δ(9)-THC in Humans. (abst – 2012)  

Subjective, cognitive and cardiovascular dose-effect profile of nabilone and dronabinol in marijuana smokers. (abst – 2012)  
Cannabinoid CB1 receptor deficiency increases contextual fear memory under highly aversive conditions and long-term potentiation in vivo. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22579951


Structured Unlearning: Marijuana May Impair Memory via the Brain's Non-Firing Cells (news – 2012)  

http://www.alternet.org/drugs/148510/michael_pollan_:what_do_marijuana_and_catnip_have_in_common/

Does Cannabis Boost Creativity? (news – 2012)  
http://www.wakingtimes.com/2012/03/14/does-cannabis-boost-creativity/

A biophysical model of endocannabinoid-mediated short term depression in hippocampal inhibition. (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0058926

Working memory- and anxiety-related behavioral effects of repeated nicotine as a stressor: the role of cannabinoid receptors (full – 2013)  
http://www.biomedcentral.com/content/pdf/1471-2202-14-20.pdf

Modulation of the Endocannabinoids N-Arachidonoylethanolamine (AEA) and 2-Arachidonoylglycerol (2-AG) on Executive Functions in Humans (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0066387

Single doses of THC and cocaine decrease proficiency of impulse control in heavy cannabis users. (full – 2013)  

An investigation into "two hit" effects of BDNF deficiency and young-adult cannabinoid receptor stimulation on prepulse inhibition regulation and memory in mice. (full – 2013)  

Effects of magnolol on impairment of learning and memory abilities induced by scopolamine in mice. (full – 2013)  
https://www.jstage.jst.go.jp/article/bpb/36/5/36_b12-00880/_html

Dissociation of the Pharmacological Effects of THC by mTOR Blockade. (abst – 2013)  

Activation of the CB(2) receptor system reverses amyloid-induced memory deficiency. (abst – 2013)  

Novelty-Induced Emotional Arousal Modulates Cannabinoid Effects on Recognition Memory and Adrenocortical Activity (abst – 2013)  

Correlations between cannabis use and IQ change in the Dunedin cohort are consistent with confounding from socioeconomic status. (abst – 2013)  


Effect of cannabinoid CB2 receptor agonism on learning and memory in a mouse model of photothrombosis (abst – 2013) http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1097.4?sid=eea722c0-971c-4d4a-a8b8c-38e0e63c19ad

Cannabidiol attenuates the long lasting cognitive deficits and anxiogenic-like behaviors promoted by murine cerebral malaria (abst – 2013) http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1097.9?sid=eea722c0-971c-4d4a-a8b8c-38e0e63c19ad


Cannabis abuse is associated with better emotional memory in schizophrenia: A functional magnetic resonance imaging study. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23906663

Effects of a novel CB1 agonist on visual attention in male rats: Role of strategy and expectancy in task accuracy. (abst – 2013)  

A role for the endocannabinoid system in exercise-induced spatial memory enhancement in mice. (abst – 2013)  

CB1 Receptor-Mediated Signaling Underlies the Hippocampal Synaptic, Learning and Memory Deficits Following Treatment with JWH-081, a New Component of Spice/K2 Preparations. (abst – 2013)  

Differential effects of the cannabinoid agonist WIN55,212-2 on delay and trace eyeblink conditioning (abst – 2013)  

Performance in working memory and attentional control is associated with the rs2180619 SNP in the CNR1 gene. (abst – 2013)  

Impulsivity, Variation in the Cannabinoid Receptor (CNR1) and Fatty Acid Amide Hydrolase (FAAH) Genes, and Marijuana-Related Problems. (abst – 2013)  

Cannabidiol Normalizes Caspase 3, Synaptophysin, and Mitochondrial Fission Protein DNM1L Expression Levels in Rats with Brain Iron Overload: Implications for Neuroprotection (abst – 2013)  

Endocannabinoids underlie reconsolidation of hedonic memories in Wistar rats. (abst – 2013)  

Relationship between working-memory network function and substance use: a 3-year longitudinal fMRI study in heavy cannabis users and controls (abst – 2013)  

The endocannabinoid system: An emotional buffer in the modulation of memory function. (abst – 2013)  

Link between pot smoking and IQ drop challenged (news – 2013)  

Low Doses of THC (Cannabis) Can Halt Brain Damage, Study Suggests (news – 2013)  
http://www.sciencedaily.com/releases/2013/05/130530132531.htm

Marijuana may improve stamina, rejuvenate brain — study (news - 2013)  

New Study Shows Cannabinoids Improve Efficiency Of Mitochondria And Remove Damaged Brain Cells (news – 2013)  
http://www.collective-evolution.com/2013/05/30/new-study-shows-cannabinoids-improve-efficiency-of-mitochondria-and-remove-damaged-brain-cells/
New Study: Cannabinoids Protect the Brain and Heart From Injury  (news – 2013)
http://www.science20.com/news_articles/thc_can_prevent_brain_damage_study-113512

In Mice Anti-Inflammatories Ameliorate Medical Marijuana's Memory Mishaps
(news – 2013)

Science for potheads: Why they love to get high  (news – 2013)
http://www.salon.com/2013/09/08/science_for_potheads_why_they_love_to_get_high/

Marijuana's Memory Paradox  (news/ forum repost – 2013)
http://ehealthforum.com/health/interesting-t164409.html

The effect of AM281, a cannabinoid antagonist, on memory performance during spontaneous morphine withdrawal in mice  (abst – 2014)

Impaired Fear Memory Specificity Associated with Deficient Endocannabinoid-Dependent Long-Term Plasticity.  (abst – 2014)

KIDNEYS

Cream with endocannabinoids effective in the treatment of pruritus due to kidney disease

Modulation of P-glycoprotein activity by cannabinoid molecules in HK-2 renal cells

Differential mechanisms mediating depressor and diuretic effects of anandamide

Regulation of Bone Mass, Osteoclast Function, and Ovariectomy-Induced Bone Loss by the Type 2 Cannabinoid Receptor  (full - 2008)

The preventive effect of cannabinoids on reperfusion-induced ischemia of mouse kidney.

Ajulemic acid, a synthetic cannabinoid, increases formation of the endogenous proresolving and anti-inflammatory eicosanoid, lipoxin A4  (full - 2009)
The GPR55 ligand L-alpha-lysophosphatidylinositol promotes RhoA-dependent Ca2+ signaling and NFAT activation. (full – 2009) http://www.fasebj.org/content/23/1/183.long

Cannabinoid Receptor 1 Blockade Ameliorates Albuminuria in Experimental Diabetic Nephropathy (full – 2010) http://diabetes.diabetesjournals.org/content/59/4/1046.full?sid=0bc8e3fa-5275-4b19-8acc-4ae5dfac384

Cannabinoid-2 receptor limits inflammation, oxidative/nitrosative stress, and cell death in nephropathy. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2869084/?tool=pubmed


Cannabidiol Attenuates Cisplatin-Induced Nephrotoxicity by Decreasing Oxidative/Nitrosative Stress, Inflammation, and Cell Death (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2682269/

Pharmacology of GPR55 in yeast and identification of GSK494581A as a mixed-activity glycine transporter subtype 1 inhibitor and GPR55 agonist. (full – 2011) http://jpet.aspetjournals.org/content/337/1/236.long

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Protective Role of Cannabinoid Receptor Type 2 in a Mouse Model of Diabetic Nephropathy. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3161308/


AKI Associated with Synthetic Cannabinoids: A Case Series.  (abst – 2012)  

Outbreak of kidney failure in Wyoming linked to "Spice"  (news – 2012)  
http://www.reuters.com/article/2012/03/03/us-spice-illness-wyoming-idUSTRE82204T20120303

Wyoming kidney failure outbreak linked to designer 'blueberry spice' drug, aka 'legal marijuana'  (news – 2012)  

Blueberry “spice” in Wyoming linked to cases of renal failure  (news – 2012)  
http://www.thepoisonreview.com/2012/03/03/blueberry-spice-in-wyoming-linked-to-cases-of-renal-failure/

New health concerns about 'fake pot' in US  (news – 2012)  

Acute Kidney Injury Associated with Synthetic Cannabinoid Use — Multiple States, 2012  (report – 2013)  
http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6206a1.htm

Cannabinoid Receptors as Therapeutic Targets for Dialysis-Induced Peritoneal Fibrosis. (abst – 2013)  

β-Caryophyllene ameliorates cisplatin-induced nephrotoxicity in a cannabinoid 2 receptor-dependent manner  (abst – 2013)  
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/704.3?sid=eea722c0-971c-4daa-8b8c-38c0e63c19ad

Cannabinoid Receptor 2 Expression in Human Proximal Tubule Cells is Regulated by Albumin Independent of ERK1/2 Signaling.  (abst – 2013)  

First Metabolic Profile of XLR-11, a Novel Synthetic Cannabinoid, Obtained by Using Human Hepatocytes and High-Resolution Mass Spectrometry.  (abst – 2013)  

Synthetic Marijuana Dangerous for Kidneys  (news – 2013)  
http://www.sciencedaily.com/releases/2013/02/130208124553.htm

Synthetic Marijuana Harms Kidneys of 16 Users, CDC Reports  (news - 2013)  

Synthetic drugs carry risk of kidney damage  (news – 2013)  

LEGIONAIRES DISEASE
CB(1) and CB(2) cannabinoid receptors mediate different aspects of delta-9-tetrahydrocannabinol (THC)-induced T helper cell shift following immune activation by Legionella pneumophila infection. (abst – 2009)

Legionnaires disease in cannabis smokers. (full – 2011)

LEISHMANIASIS

Biologically Active Cannabinoids from High-Potency Cannabis sativa. (abst - 2009)
http://www.unboundmedicine.com/medline/ebm/record/19344127/abstract/Biologically_Active_Cannabinoids_from_High_Potency_Cannabis_sativa


LIVER DISEASE - NON HEPATITIS * - also see HEPATITIS


A Novel Synthetic Cannabinoid Derivative Inhibits Inflammatory Liver Damage via Negative Cytokine Regulation (full - 2003)
http://molpharm.aspetjournals.org/content/64/6/1334.full


Treatment of the Pruritus of Cholestasis. (abst – 2004)

The endocannabinoid system in chronic liver disease (full - 2005)

(Marijuana/Hash) Endocannabinoids and liver disease - review (full - 2005)
Endocannabinoid activation at hepatic CB1 receptors stimulates fatty acid synthesis and contributes to diet-induced obesity  (full - 2005)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1087161/?tool=pmcentrez

Roles of anandamide in the hepatic microcirculation in cirrhotic rats  (full – 2005)  
http://ajpgi.physiology.org/content/290/2/G328.full?sid=c16d770d-cd17-48c9-bbde-26f38f5eeb67

The Ffa Receptor Gpr40 Links Hyperinsulinemia, Hepatic Steatosis, and Impaired Glucose Homeostasis in Mouse.  (abst – 2005)  

Antifibrogenic role of the cannabinoid receptor CB2 in the liver.  (abst – 2005)  


CB2 receptors as new therapeutic targets for liver diseases  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219531/?tool=pubmed

Cannabinoid-2 receptor agonist HU-308 protects against hepatic ischemia/reperfusion injury by attenuating oxidative stress, inflammatory response, and apoptosis  (full - 2007)  
http://www.jleukbio.org/cgi/content/full/82/6/1382

Cannabinoids ameliorate cerebral dysfunction following liver failure via AMP-activated protein kinase  (full - 2007)  
http://www.fasebj.org/content/21/10/2431.full

Endocannabinoids acting at CB1 receptors mediate the cardiac contractile dysfunction in vivo in cirrhotic rats  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2225474/?tool=pmcentrez

Pivotal Advance: Cannabinoid-2 receptor agonist HU-308 protects against hepatic ischemia/reperfusion injury by attenuating oxidative stress, inflammatory response, and apoptosis  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2225476/?tool=pmcentrez

Anandamide inhibits cholangiocyte hyperplastic proliferation via activation of thioredoxin 1/redox factor 1 and AP-1 activation  (full – 2007)  
http://ajpgi.physiology.org/content/294/2/G506.full

Cannabinoid-2 receptor mediates protection against hepatic ischemia/reperfusion injury  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2228252/?tool=pmcentrez

Cardiovascular Abnormalities in Cirrhosis: the Possible Mechanisms  (full - 2007)  
http://journals.tums.ac.ir/upload_files/pdf/_/6670.pdf

CB2 receptors as new therapeutic targets for liver diseases. (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219531/?tool=pubmed


Endocannabinoids and Liver Disease. I. Endocannabinoids and their receptors in the liver (full – 2008) http://ajpgi.physiology.org/content/294/1/G9.full?sid=872637e5-97b2-4103-aaf0-b3e8f6f0eb64

Endocannabinoids and Liver Disease. II. Endocannabinoids in the pathogenesis and treatment of liver fibrosis (full – 2008) http://ajpgi.physiology.org/content/294/2/G357.full?sid=872637e5-97b2-4103-aaf0-b3e8f6f0eb64

Endocannabinoids and Liver Disease. III. Endocannabinoid effects on immune cells: implications for inflammatory liver diseases (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2376822/?tool=pmcentrez

Endocannabinoids and Liver Disease. IV. Endocannabinoid involvement in obesity and hepatic steatosis (full - 2008) http://ajpgi.physiology.org/cgi/content/full/294/5/G1101


Regression of Fibrosis after Chronic Stimulation of Cannabinoid CB2 Receptor in Cirrhotic Rats (full - 2008) http://jpet.aspetjournals.org/content/324/2/475.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT#content-block

Endocannabinoids and the Control of Energy Homeostasis (full – 2008) http://www.ibc.org/content/283/48/33021.full?sid=931583b1-e797-43e0-8296-7fd75bb49403

Endocannabinoids and cannabinoid receptors in ischaemia–reperfusion injury and preconditioning (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219536/?tool=pmcentrez

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects (abst – 2008) http://gut.bmj.com/content/57/8/1140.abstract

Cannabinoid receptors as novel therapeutic targets for the management of non-alcoholic steatohepatitis  (abst - 2008)  http://www.ncbi.nlm.nih.gov/pubmed/19195630


Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects  (abst - 2008)  http://gut.bmj.com/content/57/8/1140.abstract

Cannabinoid CB2 Receptor Potentiates Obesity-Associated Inflammation, Insulin Resistance and Hepatic Steatosis  (full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2688760/?tool=pubmed

Systematic review and meta-analysis on the adverse events of rimonabant treatment: Considerations for its potential use in hepatology  (full - 2009)  http://www.biomedcentral.com/1471-230X/9/75


Cannabidiol ameliorates cognitive and motor impairments in bile-duct ligated mice via 5-HT1A receptor activation. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2829220/?tool=pubmed

Recent advances in the understanding of the role of the endocannabinoid system in liver diseases. (abst - 2010) http://www.ncbi.nlm.nih.gov/pubmed/20934397


Hyperactivation of anandamide synthesis and regulation of cell-cycle progression via cannabinoid type 1 (CB1) receptors in the regenerating liver (full – 2011) http://www.pnas.org/content/108/15/6323.full


Cannabidiol, a Major Phytocannabinoid, as a Potent Atypical Inhibitor for Cytochrome P450 2D6. (full – 2011) http://dmd.aspetjournals.org/content/early/2011/08/05/dmd.111.041384.long


Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Central Endocannabinoid Signaling Regulates Hepatic Glucose Production and Systemic Lipolysis (full – 2011) http://diabetes.diabetesjournals.org/content/60/4/1055.full


Hepatic n-3 Polyunsaturated Fatty Acid Depletion Promotes Steatosis and Insulin Resistance in Mice: Genomic Analysis of Cellular Targets (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3154437/

Identification of cytochrome P450 enzymes responsible for metabolism of cannabidiol by human liver microsomes. (abst – 2011)

Cannabidiol protects against hepatic ischemia/reperfusion injury by attenuating oxidative stress, inflammatory response, and cell death (abst – 2011)
http://www.fasebj.org/cgi/content/meeting_abstract/25/1_MeetingAbstracts/639.12?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&sortspec=date&resourcetype=HWCIT

The novel endocannabinoid virodhamine selectively induces cell death in hepatic stellate cells but not in hepatocytes (abst – 2011)

Cannabinoid CB2 receptors protect against alcoholic liver disease by regulating kupffer cell polarization in mice. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21735467


Prevention of Fibrosis Progression in CCl4-Treated Rats: Role of the Hepatic Endocannabinoid and Apelin Systems (full – 2012) http://jpet.aspetjournals.org/content/340/3/629.full

Δ(8)-Tetrahydrocannabinivarin prevents hepatic ischaemia/reperfusion injury by decreasing oxidative stress and inflammatory responses through cannabinoid CB(2) receptors. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/21470208


The endocannabinoid 2-arachidonoylglicerol decreases calcium induced cytochrome c release from liver mitochondria. (abst – 2012) http://www.springerlink.com/content/54jm40088728t0pn/


Hepatic Cannabinoid Receptor Type 1 Mediates Alcohol-Induced Regulation of Bile Acid Enzyme Genes Expression Via CREBH (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0068845


Fatty acid amide hydrolase but not monoacyl glycerol lipase controls cell death induced by the endocannabinoid 2-arachidonoyl glycerol in hepatic cell populations. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23806692


Protective effect of cannabidiol against cadmium hepatotoxicity in rats. (abst – 2013)  

Monounsaturated fatty acids generated via stearoyl CoA desaturase-1 are endogenous inhibitors of fatty acid amidate hydrolase. (abst – 2013)  

Vascular targets for cannabinoids: animal and human studies. (abst – 2013)  

The novel endocannabinoid noladin ether holds putative anti-fibrotic properties by selectively inducing cell death in hepatic stellate cells. (abst – 2013)  

Science/Animal: CBD inhibits the activity of a certain liver enzyme  (news – 2013)  

Smoking cannabis does not accelerate progression of liver disease in people with HIV/HCV co-infection  (news – 2013)  

Marijuana May Protect Liver Against Toxic Pesticide  (news – 2013)  
http://www.leafscience.com/2013/09/07/marijuana-may-protect-liver-against-toxic-pesticide/

The peripheral cannabinoid receptor 1 antagonist VD60 efficiently inhibits carbon tetrachloride-intoxicated hepatic fibrosis progression. (abst – 2014)  

CB1 blockade-induced weight loss over 48 weeks decreases liver fat in proportion to weight loss in humans (abst – 2014)  
http://www.nature.com/ijo/journal/v37/n5/full/ijo2012116a.html

Cannabidiol protects liver from binge alcohol-induced steatosis by mechanisms including inhibition of oxidative stress and increase in autophagy (abst – 2014)  

**LONG TERM USE EFFECTS** *

Neuropsychological Performance in Long-term Cannabis Users (full - 2001)
The pharmacologic effects of daily marijuana smoking in humans  (abst - 2002)


Heavy Marijuana Use Doesn't Damage Brain  (news – 2003)

Minimal Long-Term Effects Of Marijuana Use Found In Central Nervous System By UCSD Researchers  (news - 2003)
http://www.sciencedaily.com/releases/2003/06/030630112652.htm

Survey of Australians using cannabis for medical purposes  (full - 2005)


http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2175501/?tool=pubmed

Protracted cannabinoid administration elicits antidepressant behavioral responses in rats: role of gender and noradrenergic transmission.  (abst - 2009)

The morphology of the immune system in opiomania, cannabism, and polynarcotism  (abst - 2009)
http://www.unboundmedicine.com/medline/ebm/record/19938701/full_citation/%5BThe_morphology_of_the_immune_system_in_opiomania_cannabism_and_polynarcotism%5D

Effects of cannabis on lung function: a population-based cohort study.  (full - 2010)
http://erj.ersjournals.com/content/35/1/42.long

Light Marijuana Use Appears Protective Against Diabetes  (news – 2010)

Tolerance and cross-tolerance to neurocognitive effects of THC and alcohol in heavy cannabis users.  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3045517/
Scientific Opinion on the safety of hemp (Cannabis genus) for use as animal feed (full – 2011)  (deceptive title)  


The histopathology of drugs of abuse  (abst – 2011)  

125 Year Old Woman Claimed Smoking Cannabis Everyday Was Her Secret to Long Life  (news – 2011)  

Psychomotor Performance, Subjective and Physiological Effects and Whole Blood Δ9-Tetrahydrocannabinol Concentrations in Heavy, Chronic Cannabis Smokers Following Acute Smoked Cannabis  (full – 2012)  http://jat.oxfordjournals.org/content/36/6/405.full

Chronic Cannabis Abuse, Delta-9-tetrahydrocannabinol and Thyroid Function.  (full – 2012)  

Assessing topographical orientation skills in cannabis users.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3259701/?tool=pubmed


Pot smoking not tied to middle-age mental decline  (news – 2012)  

One Joint a Week for 49 Years Doesn’t Harm Lungs, Research Finds  (news – 2012)  
http://www.businessweek.com/news/2012-01-13/one-joint-a-week-for-49-years-doesn-t-harm-lungs-research-finds.html

Implicit Associations and Explicit Expectancies toward Cannabis in Heavy Cannabis Users and Controls.  (full – 2013)  


Cannabis smoking and lung cancer risk: pooled analysis in the International Lung Cancer Consortium  (abst – 2013)  http://www.abstractsonline.com/Plan/ViewAbstract.aspx?mID=3086&sKey=3e3df4f-9a49f-40e7-a260-ccc3c54e0125&cKey=c7c669d-3e5e-43e-9de4-d667a0703fb&mKey=9b2d28e-24a0-460f-a3c9-07c21f6e9bc9


Long-Term Cannabis Use Is Associated With Better Health Than Long-Term Tobacco use  (news – 2013)  http://hempedification.blogspot.com/2013_04_01_archive.html


No detectable association between frequency of marijuana use and health or healthcare utilization  (news - 2013)  http://www.eurekalert.org/pub_releases/2013-09/bumc-nda092313.php

Marijuana has no adverse effects on health, BU study suggests  (news – 2013)  http://dailyfreepress.com/2013/09/25/marijuana-has-no-adverse-effects-on-health-bu-study-suggests/

Study: Recreational Marijuana Users Show No ‘Negative Health Outcomes’  (news – 2013)
http://www.leafscience.com/2013/09/24/study-recreational-marijuana-users-show-negative-health-outcomes/

No detectable association between frequency of marijuana use and health or healthcare utilization (news – 2013)

**LUNG FUNCTION** *

Exogenous lipid pneumonia related to smoking weed oil following cadaveric renal transplantation (full - 2000)
http://www.pulsus.com/journals/pdf_frameset.jsp?jnlKy=4&atlKy=4570&isArt=t&jnlAdvert=Resp&adverHCTp=&sTitle=Exogenous%20lipid%20pneumonia%20related%20to%20smoking%20weed%20oil%20following%20cadaveric%20renal%20transplantation%20Pulsus%20Group%20Inc&VisitorType=

Cannabinoids and the immune system. Of men, mice and cells (abst – 2004)

Bullous disease of the lung and cannabis smoking: insufficient evidence for a causative link (full - 2006) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1360494/?tool=pmcentrez

Effects of Marijuana Smoking on Pulmonary Function and Respiratory Complications: A Systematic Review (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2720277/?tool=pmcentrez

Virodhamine and CP55,940 modulate cAMP production and IL-8 release in human bronchial epithelial cells. (full – 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2042924/?tool=pubmed

“Usual” cannabis abuse producing an unusual incident (abst – 2007)
(The Valsalva maneuver is performed by attempting to forcibly exhale while keeping the mouth and nose closed. Don’t do it!) http://www.ncbi.nlm.nih.gov/pubmed/17342632

Cannabinoid CB(2) receptor activation prevents bronchoconstriction and airway oedema in a model of gastro-oesophageal reflux. (abst - 2007)

No Decrease in Pulmonary Function Associated with Long-Term Cannabis Smoking, Study Says (news - 2007) http://www.illinoisnrm.org/content/view/366/27/

"Bong lung" in cystic fibrosis: a case report (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2998526/?tool=pmcentrez

Effects of cannabis on lung function: a population-based cohort study. (full - 2010) http://erj.ersjournals.com/content/35/1/42.long
The histopathology of drugs of abuse (abst – 2011)  

Association Between Marijuana Exposure and Pulmonary Function Over 20 Years (full – 2012)  

Cannabidiol, a non-psychotropic plant-derived cannabinoid, decreases inflammation in a murine model of acute lung injury: Role for the adenosine A(2A) receptor. (abst – 2012)  

Cannabidiol (CBD) enhances lipopolysaccharide (LPS)-induced pulmonary inflammation in C57BL/6 mice. (abst – 2012)  

Marijuana doesn't harm lung function, study found (news – 2012)  

Study: Smoking Marijuana Not Linked with Lung Damage (news – 2012)  
http://healthland.time.com/2012/01/10/study-smoking-marijuana-not-linked-with-lung-damage/

Marijuana Smoke Not as Damaging as Tobacco, Says Study (news - 2012)  

One Joint a Week for 49 Years Doesn’t Harm Lungs, Research Finds (news – 2012)  
http://www.businessweek.com/news/2012-01-13/one-joint-a-week-for-49-years-doesn-t-link-with-lung-damage-research-finds.html

Occasional marijuana use 'boosts lungs' (news – 2012)  

Pot smokers don't puff away lung health: study (news – 2012)  
http://www.reuters.com/article/2012/01/11/us-pot-health-idUSTRE8092BC20120111

Science Says: Lungs Love Weed (news – 2012)  
http://www.takepart.com/article/2012/01/11/marijuana-not-bad-your-lungs

Monoacylglycerol Lipase (MAGL) Inhibition Attenuates Acute Lung Injury in Mice. (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3808422/


The effects of cannabidiol on the antigen-induced contraction of airways smooth muscle in the guinea-pig. (abst – 2013)  


LUPUS ERYTHEMATOSUS


Lupus by Randi Cox (anecdotal – undated) http://rxmarijuana.com/shared_comments/lupus2.htm


LYME DISEASE

Lyme Disease by Cynkay Morningstar (anecdotal – undated)
http://rxmarijuana.com/shared_comments/Lyme_Disease.htm

Lyme Disease - Cannabis Treatment (news/anecdotal – undated)
http://medicalmarijuana.com/medical-uses/condition.cfm?conID=55

Cannabis Alleviates Symptoms of Lyme Disease! (news – 2010)
http://ezinearticles.com/?Cannabis-Alleviates-Symptoms-of-Lyme-Disease!&id=4979819

Medical Marijuana and Lyme Disease…Alexis’ story (news/anecdotal – 2012)
http://www.doobons.com/blog/2012/02/22/medical-marijuana-and-lyme-disease-alexis-story/

This for That: Lyme Disease (news/anecdotal – 2012)
http://the420times.com/2012/01/this-for-that-lyme-disease/

MACULAR DEGENERATION

Changes in endocannabinoid and palmitoylethanolamide levels in eye tissues of patients with diabetic retinopathy and age-related macular degeneration. (abst – 2006)

Mediation of Cannabidiol Anti-inflammation in the Retina by Equilibrative Nucleoside Transporter and A2A Adenosine Receptor (full – 2008)
http://www.iovs.org/content/49/12/5526.full

Presence and regulation of cannabinoid receptors in human retinal pigment epithelial cells. (full – 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697670/?tool=pubmed

MAD COW/ CRUETZFELDT-JACOB DISEASE - also see PRIONS

Nonpsychoactive Cannabidiol Prevents Prion Accumulation and Protects Neurons against Prion Toxicity (full - 2007) http://www.jneurosci.org/cgi/content/full/27/36/9537

Recent News: Marijuana (Cannabis) May Prevent Mad Cow Disease (news/ forum repost - 2007)
Cannabidiol May be Effective in Preventing Bovine Spongiforme Enzephalopathy (Mad Cow Disease)  (news - 2007)  http://www.letfreedomgrow.com/articles/fr070916.htm

Pot Compound Protective Against ‘Mad Cow’ Disease, Other Fatal Brain Disorders, Study Says  (news - 2007)  http://www.norml.org/index.cfm?Group_ID=7362

Pot smoking could stop Mad Cow Disease?  (news - 2008)  http://chattahbox.com/curiosity/2008/12/06/pot-smoking-could-stop-mad-cow-disease/


**MAGNETIC STIMULATION**


**MALARIA**


Cannabidiol attenuates the long lasting cognitive deficits and anxiogenic-like behaviors promoted by murine cerebral malaria  (abst – 2013)  http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1097.9?sid=eea722e0-971c-4d8a-8b8c-38c0e63c19ad

**MALE SEXUAL FUNCTION** *


Idiopathic infertility: susceptibility of spermatozoa to in-vitro capacitation, in the presence and the absence of palmitylethanolamide (a homologue of anandamide), is strongly correlated with membrane polarity studied by Laurdan fluorescence (full – 2003) [http://molehr.oxfordjournals.org/content/9/7/381.full]


Jekyll and Hyde: Two Faces of Cannabinoid Signaling in Male and Female Fertility (full - 2006) [http://press.endocrine.org/doi/full/10.1210/er.2006-0006]


Cannabis-based boost for smokers' suffering sperm (may need registration) [http://www.newscientist.com/article/dn10362-cannabisbased-boost-for-smokers-suffering-sperm.html]

Role of the nitric oxide pathway and the endocannabinoid system in neurogenic relaxation of corpus cavernosum from biliary cirrhotic rats (full – 2007) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2013996/]


The endocannabinoid 2-arachidonoylglycerol promotes sperm development through activation of cannabinoid-2 receptors (full – 2009) [http://www.cannabis-med.org/data/pdf/en_2009_04_2_0.pdf]

Energetic Metabolism and Human Sperm Motility: Impact of CB1 Receptor Activation (full – 2010) [http://endo.endojournals.org/content/151/12/5882.full]

Characterization of the Endocannabinoid System in Human Spermatozoa and Involvement of Transient Receptor Potential Vanilloid 1 Receptor in Their Fertilizing Ability (full – 2010) [http://endo.endojournals.org/content/150/10/4692.full?sid=f5b14012-9fbc-4f10-890c-386313060cf8]
Endocannabinoids and Human Sperm Cells  (link to PDF - 2010)
http://www.mdpi.com/1424-8247/3/10/3200


Anandamide capacitates bull spermatozoa through CB1 and TRPV1 activation.  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3037938/?tool=pubmed


The role of endocannabinoids in gonadal function and fertility along the evolutionary axis.  (abst – 2012)  http://www.ncbi.nlm.nih.gov/pubmed/22305972

Treatment with CB 2 Agonist JWH-133 Reduces Histological Features Associated with Erectile Dysfunction in Hypercholesterolemic Mice.  (full – 2013)  http://www.hindawi.com/journals/cdi/2013/263846/


The Endocannabinoid System and Spermatogenesis. (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3864102/


**MARFAN’S SYNDROME**

Marfan Syndrome-Cannabinoids Relieve Symptoms (news – 2013) http://medicalmarijuana.com/medical-marijuana-treatments/Marfan-Syndrome-

**MEDICAL MARIJUANA – NEWS**


As Voters Pass Pot Measures, Grass Grows Under Plans' Feet  (article – 2005)

Testimony of Terry Jacobs to FDA - why he prefers for medical marijuana to Marinol  
(testimony - 2005)

Medical Marijuana, American Federalism, and the Supreme Court  (news – 2005)
http://www.mapinc.org/mmj/jama-federalism.pdf

The Thin Green Line: Employers and Medical Marijuana  (news – 2005)

STUDENT POT USE DECLINES IN CALIFORNIA FOLLOWING APPROVAL OF PROPOSITION 215  (news – 2005)
http://www.canorml.org/prop/studentMJuse.html

Medi-Cal pays pot-related expenses  
(news – 2007)
http://www.mapinc.org/norml/v07/n809/a08.htm

Medical Marijuana Users Denied Organ Transplants  
(news – 2008)
http://blogs.wsj.com/health/2008/05/19/medical-marijuana-users-denied-organ-transplants/

Is medical-marijuana use reason to deny someone an organ transplant?  (news – 2008)
http://seattletimes.nwsource.com/html/health/2004389825_liver03m.html

Internist Group Backs Use of Medical Marijuana  (news – 2008)

Should Hepatitis C Patients Who Smoke Marijuana Be Eligible For Liver Transplants?  
(news - 2008)  
http://www.sciencedaily.com/releases/2008/10/081022211032.htm

Medical Use of Cannabis (marijuana)  
(news – 2009)
http://www.heretohelp.bc.ca/factsheet/medical-use-of-cannabis

Woman Dies After Being Denied Organ Transplant  
(news – 2009)

Medical Marijuana Verdict Elusive Despite Study, Debate  
(news – 2009)

Medical Use of Marijuana Divides AMA Delegates  (news – 2009)

Doctors recommend medical marijuana for minors with ADHD in California  
(news – 2009)
http://www.nydailynews.com/life-style/health/doctors-recommend-medical-marijuana-minors-adhd-california-article-1.419585#ixzz2Ui5xXtRZ
Why People Use Cannabis  (news – 2009)  
http://www.heretohelp.bc.ca/visions/cannabis-vol5/why-people-use-cannabis

Marijuana: Help or hassle?  (news – 2009)  
http://www.heretohelp.bc.ca/visions/cannabis-vol5/marijuana-help-or-hassle

Senior Citizens and Medical Marijuana- Cannabis- Orange County Seniors demand Medical Marijuana  (news – 2009)  

The Health Effects of Medical Marijuana Project (HEMMP)  (news – 2009)  
http://www.heretohelp.bc.ca/visions/cannabis-vol5/the-health-effects-medical-marijuana-project-hemmp

Alternatives: Miracle Marijuana  (anecdotal/news - 2009)  
http://www.heretohelp.bc.ca/visions/cannabis-vol5/alternatives

The Faces Of Medical Marijuana: An Interview With Sarah Lovering  (interview - 2010)  
http://the420times.com/2010/04/the-faces-of-medical-marijuana/

Oregon hospitals denying life saving organ transplants to legal medical marijuana patients  (news - 2010)  
http://www.huffingtonpost.com/russ-belville/oregon-hospitals-denying_b_575965.html

Views, Policy Shifting on Medical Marijuana  (news – 2010)  

Health Tragedy: Patients Denied Life-Saving Transplants for Their "Abuse of Illicit Substances"  (news – 2010)  
http://www.alternet.org/health/145432/health_tragedy%3A_patients_denied_life-saving_transplants_for_their_%22abuse_of_illicit_substances%22

Medical Marijuana Raises Tough Questions for Nursing Homes  (news – 2010)  

V.A. Easing Rules for Users of Medical Marijuana  (news – 2010)  

LAPD chief: Pot clinics not plagued by crime  (news – 2010)  

Medicinal Marijuana: A Patient-Driven Phenomenon  (anecdotal/news - 2010)  

Why Medical Marijuana Laws Reduce Traffic Deaths  (news - 2011)  

Study shows medical marijuana laws reduce traffic deaths  (news – 2011)  
Oregon's workplaces safest ever, despite 40,000 medical marijuana patients (news – 2011)

The Kids Are All Right, Even if Their Parents Grow Pot (news – 2011)


Silver Tour: Wall Street Journal Looks At Seniors and Medical Marijuana Use (news – 2012)
Israel pushing ahead in medical marijuana industry  (news – 2012)
http://news.yahoo.com/israel-pushing-ahead-medical-marijuana-industry-180817891.html;_ylt=A2KJ/bz3o5RQ4BcAYprQ1DMD

Is Medical Marijuana Safe for Children?  (news – 2012)

Panelists debate state of medical marijuana in RI  (news – 2012)
http://www.browndailyherald.com/2012/04/05/panellists-debate-state-of-medical-marijuana-in-ri/

http://www.cnbc.com/id/100678723

INTERVIEW : Martin Lee of Project CBD  (interview – 2013)
http://www.ladybud.com/2013/11/12/interview-martin-lee-of-project-cbd/

Legal marijuana's all-cash business and secret banking  (news – 2013)

Marijuana research cut as support grows  (news – 2013)
http://www.heraldnet.com/article/20130421/NEWS02/704219903/0/living02

Is Marijuana Booming Among Boomers?  (news – 2013)
http://www.forbes.com/sites/nextavenue/2013/05/16/is-marijuana-booming-among-boomers/

N.J. Assembly approves bill protecting marijuana patients  (news – 2013)

Medical marijuana helps senior sleep, contend with other problems of aging (news – 2013)
http://www.ottawacitizen.com/health/seniors/Medical+marijuana+helps+senior+sleep+contend+with+other/8439474/story.html

Is Medical Marijuana Safe For Children and Adolescents?  (news - 2013)
http://www.wakingtimes.com/2013/05/27/is-medical-marijuana-safe-for-children-and-adolescents/

How America Learned to Stop Worrying and Love Marijuana  (news - 2013)

The Other IRS Scandal Outright War Against Marijuana Dispensaries  (news – 2013)
http://www.wakingtimes.com/2013/05/18/the-other-irs-scandal-outright-war-against-marijuana-dispensaries/

Medical Marijuana: Consortium of Multiple Sclerosis Centers  (news – 2013)
Parents of epileptic N.J. tot lament medical marijuana delays (news – 2013)  

Medical Marijuana Gets Blessing of Orthodox Rabbi — But Don't Get High (news – 2013)  

Medical Marijuana for Kids? Some Praise Results While Others Worry About Risks (news – 2013)  
http://www.cnbc.com/id/100876423

Is Marijuana Medicinal? (news – 2013)  

New Study: Cannabinoids Protect the Brain and Heart From Injury (news – 2013)  
http://www.science20.com/news_articles/thc_can_prevent_brain_damage_study-113512

Dad defends decision to give 7-year-old daughter with leukemia marijuana for the pain (news – 2013)  

Cannabis for Elders: A Precarious State (news – 2013)  

Cannabis Care: Doctors are allowed to object to state’s marijuana program and refuse patients (news – 2013)  

Cannabis Care: Manchester grandmother fears getting caught for using marijuana, waits anxiously for bill to pass (news – 2013)  

Buying Pot For My 11-Year-Old (news – 2013)  
http://www.huffingtonpost.com/suzanne-leigh/buying-pot-for-my-11-year-old_b_3538543.html

Want a marijuana prescription? Get in line (news – 2013)  

Study: Medical Marijuana Laws Lead To Decrease In Alcohol-Related Deaths (news – 2013)  
http://www.opposingviews.com/i/society/study-medical-marijuana-laws-lead-decrease-alcohol-related-deaths#

Father Of Weed Science Says Research Limits Are 'Tragic' (news – 2013)  

Why I changed my mind on weed (news – 2013)  

Mother Investigated After Opting For Marijuana Over Chemotherapy (news – 2013)
http://blogs.ocweekly.com/navelgazing/2013/10/can_you_fly_the_friendly_skies.php

Light-up Nation: What Israel can teach America about medical marijuana (news – 2013)  
http://www.jewishjournal.com/cover_story/article/green_gold_israel_sets_a_new_standard_for_legal_medical_marijuana_reasearch

Senior Focus: Should marijuana be legalized for end of life care? (news – 2013)  
http://www.stltoday.com/lifestyles/health-med-fit/6814b63f-d758-5500-9507-a908a5b20c01.html

The Great GW Pharma Confidence Trick. (news – 2013)  
http://www.clear-uk.org/the-great-gw-pharma-confidence-trick/

Families of children with epilepsy moving to Colorado, drawn by success of marijuana oil (news – 2013)  

Few Problems With Cannabis for California (news – 2013)  

Dr. Dina: The 4/20 411 on Medical Marijuana and Media Myths (news – 2013)  

Doctors call for marijuana in pharmacies (news – 2013)  

Pot-Smoking Quadriplegic’s Firing Shows Haze Over Rules (news - 2013)  

Off-the-clock pot use shouldn't be grounds for firing, poll finds (news - 2013)  

These Are The 9 Reasons That Sanjay Gupta Changed His Mind About Marijuana (news – 2013)  

Teen Marijuana Use Hasn't Exploded Amid Boom in Legalization Support, Drug Survey Finds (news – 2013)  

Drug War Blocking Potential Treatments for Cancer, Alzheimer’s, Journal Claims (news – 2013)
Medical Marijuana – Studies *

The Medical use of Cannabis in Germany (full – 2002)
http://jod.sagepub.com/content/32/2/607.full.pdf+html

Using Cannabis Therapeutically in the UK: A Qualitative Analysis (full – 2003)
http://jod.sagepub.com/content/33/2/325.full.pdf+html

US Supreme Court says no to medical marijuana (full – 2005)
It Is Time for Marijuana to Be Reclassified as Something Other Than a Schedule I Drug! (article - 2005)


Medical Marijuana and the Law (full - 2010) http://content.nejm.org/cgi/content/full/362/16/1453?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=2080&resourcetype=HWCIT


An Analysis of Applicants Presenting to a Medical Marijuana Specialty Practice in California (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3673028/


Medical marijuana: medical necessity versus political agenda. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3628147/

"But my Doctor Recommended Pot": Medical Marijuana and the Patient–Physician Relationship. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3208453/


Exploring the ecological association between crime and medical marijuana dispensaries (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3364319/


It can't hurt to ask; a patient-centered quality of service assessment of health canada's medical cannabis policy and program (full – 2012)  http://www.harmreductionjournal.com/content/9/1/2


Medical Marijuana and Related Legal Aspects (full – 2013)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3875249/

Colorado family physicians' attitudes toward medical marijuana. (full – 2013)  http://www.jabfm.org/content/26/1/52.long
Clinical decisions. Medicinal use of marijuana--polling results. (article – 2013)  

Medical Marijuana Coverage Still Lost in the Legal Weeds (article – 2013)  
http://www.managedcaremag.com/linkout/2013/1/23

Medicinal Cannabis and Painful Sensory Neuropathy (editorial – 2013)  
http://virtualmentor.ama-assn.org/2013/05/oped1-1305.html


Anticipated Medical Effects on Children From Legalization of Marijuana in Colorado and Washington State (abst + 1st page – 2013)  
http://archpedi.jamanetwork.com/article.aspx?articleid=1691419&resultClick=3

The role of child protection in cannabis grow-operations. (abst – 2013)  

Establishing expertise: Canadian community-based medical cannabis dispensaries as embodied health movement organisations. (abst – 2013)  


The economic geography of medical cannabis dispensaries in California. (abst – 2013)  

Effects of Schedule I drug laws on neuroscience research and treatment innovation. (abst – 2013)  

Effects of State Medical Marijuana Laws on Adolescent Marijuana Use. (abst – 2013)  

From 32 ounces to zero: a medical geographic study of dispensing a cultivated batch of "plum" cannabis flowers to medical marijuana patients in Washington State. (abst – 2013)  

Cannabis for therapeutic purposes: Patient characteristics, access, and reasons for use. (abst – 2013)  

A review of the cultivation and processing of cannabis (Cannabis sativa L.) for production of prescription medicines in the UK. (abst – 2013)  
Characteristics of adults seeking medical marijuana certification. (abst – 2013)

The medicinal use of cannabis and cannabinoids--an international cross-sectional survey on administration forms. (abst – 2013)
http://www.unboundmedicine.com/medline/citation/24175484/The_medical_use_of_cannabis_and_cannabinoids--an_international_cross-sectional_survey_on_administration_forms.

Cannabis as a substitute for alcohol and other drugs: A dispensary-based survey of substitution effect in Canadian medical cannabis patients (abst – 2013)

Legalization of medical marijuana and marijuana use among youths. (abst – 2013)

The pharmacologic and clinical effects of medical cannabis. (abst – 2013)

Medical Marijuana Laws and Suicides by Gender and Age (abst – 2014)

Self-reported cannabis use characteristics, patterns and helpfulness among medical cannabis users. (abst – 2014)

Political and medical views on medical marijuana and its future. (abst – 2014)

MEIGE'S SYNDROME – see Pre-2000 list

MEMORY - see IQ/ MEMORY/ COGNITIVE EFFECTS

MENIERE'S SYNDROME

Menière’s Syndrome by Charlie Ritchie (anecdotal - undated)
http://www.rxmarijuana.com/shared_comments/ritchie.htm

Doctors say cannabis treats Meniere’s disease (news - 2005)
**MENINGITIS**

Cannabidiol reduces host immune response and prevents cognitive impairments in Wistar rats submitted to pneumococcal meningitis  
(abst – 2012)  

**MENOPAUSE** - also see AGING, GYNOCOLOGY

Post-Menopausal Hot Flashes by Anonymous  
(anecdotal – undated)  
http://www.rxmarijuana.com/shared_comments/menopause.htm

Estrogen stimulates arachidonoylethanolamide release from human endothelial cells and platelet activation  
(full – 2002)  
http://bloodjournal.hematologylibrary.org/content/100/12/4040.full

Regulation of Gonadotropin-Releasing Hormone Secretion by Cannabinoids  
(full - 2005)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1237039/?tool=pmcentrez

Regulation of Bone Mass, Osteoclast Function, and Ovariectomy-Induced Bone Loss by the Type 2 Cannabinoid Receptor  
(full - 2008)  

Study: Marijuana & The Fountain of Youth  
(news/ad - 2008)  

The effects of Cannabis sativa L. seed (hempseed) in the ovariectomized rat model of menopause.  
(abst – 2010)  

Are endocannabinoid type 1 receptor gene (CNR1) polymorphisms associated with obesity and metabolic syndrome in postmenopausal Polish women?  
(abst – 2011)  

Endocannabinoid type 1 receptor gene (CNR1) polymorphisms (rs806381, rs10485170, rs6454674, rs2023239) and cardiovascular risk factors in postmenopausal women.  
(abst – 2011)  

Medical Marijuana uses for menopause symptoms  
(anecdotal – 2011)  
http://www.medhelp.org/posts/Menopause/Medical-Marijuana-uses-for-menopause-symptoms/show/1374545

Circulating endocannabinoids in insulin sensitive vs. Insulin resistant obese postmenopausal women. A MONET group study.  
(abst – 2013)
MENTAL DISORDERS - see SCHIZOPHRENIA/ MENTAL DISORDERS, DEPRESSION, PTSD

METHODS OF USE – BREATH STRIPS

THE GREAT CALIFORNIA WEED RUSH (news - 2007)
http://www.mapinc.org/norml/v07/n150/a04.htm

http://www.patentstorm.us/applications/20060039959/fulltext.html

THC Breath Strips Are Here, And They Are Amazing! (anecdotal/news – 2008)

Recipe for Breath Strips (forum post- #3 – 2009)
http://boards.cannabis.com/concentrates/174379-creating-thc-strips-home.html

METHODS OF USE – CAPSULES *


How To Make Your Own Canna Caps (news – 2011)
http://beyondchronic.com/2011/01/how-to-make-your-own-canna-caps/

Capsule Warning: The AVB Experiment That Went Wrong (news – 2012)
http://beyondchronic.com/2012/08/capsule-warning-avb-experiment-wrong/

Old Hippie’s Medicine Chest (or, Canna Caps Revealed) (news – 2012)
METHODS OF USE – “DABS”/ HASH OIL

Philly420: Marijuana refined  (news – 2013)  
http://www.philly.com/philly/columnists/philly420/Marijuana_refined_Hash_oil_cannabis_concentrates_and_dabbing_.html?c=r

Getting high goes high-tech  (news – 2013)  
http://www.boulderweekly.com/article-11450-getting-high-goes-high-tech.html

METHODS OF USE – DECARBOXYLATION – a method to increase potency

Why should cannabis products be heated before eating?  (news – 2001)  
http://www.cannabis-med.org/english/faq/12-heating.htm

Decarboxylation  (news - 2003)  
http://www.cannabisculture.com/articles/2794.html

Cooking with Cannabis  (news – 2008)  

How To Make Your Own Canna Caps  (news – 2011)  
http://beyondchronic.com/2011/01/how-to-make-your-own-canna-caps/

How-to: Paleo’s Potent Decarboxylated Cannabis Oil (Edibles Technique)  
(forum post – 2011)  

Controlled cannabis decarboxylation - Patent US2012046352 (A1) — 2012-02-23  
(full – 2012)  

METHODS OF USE - E-CIGARETTES

E-Cigarettes: A How-To With Canna  (forum post - 2010)  

Are E-Cigarettes the Perfect Disguise to Smoke Pot in Public?  (news – 2013)  

Build Your Own Cheap Hash Oil Pen Using E-Cigarette Parts – Refinement
METHODS OF USE – EDIBLES – General use *

High-performance liquid chromatographic determination of delta9-tetrahydrocannabinol and the corresponding acid in hemp containing foods with special regard to the fluorescence properties of delta9-tetrahydrocannabinol. (abst – 2000) http://www.ncbi.nlm.nih.gov/pubmed/10749491


Cannabis Use As Described by People with Multiple Sclerosis. (full – 2003) http://cjns.metapress.com/content/5mw9rpyxtpjrwf1/fulltext.pdf


Anti-inflammatory cannabinoids in diet (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2633791/?tool=pmcentrez

Inadvertent ingestion of marijuana - Los Angeles, California, 2009 (full - 2009) http://www.gov/mmwr/preview/mmwrhtml/mm5834a2.htm


Simultaneous determination of delta-9-tetrahydrocannabinol cannabidiol and cannabinoil in edible oil using ultra performance liquid chromatography-tandem mass spectrometry (abst – 2011)

Accidental cannabis poisoning in children: report of four cases in a tertiary care center from southern Spain (abst – 2011)

Prolonged coma in a child due to hashish ingestion with quantitation of THC metabolites in urine. (abst – 2011)

Marijuana cannabinoids - oral and transdermal methods (news – 2011)

Terpenes (news – 2011)

Crumbs of comfort: Cannabis cookies are kosher for Passover (news - 2012)

Beyond Pot Brownies: The New Cannabis Cuisine (news – 2012)

Legalized Pot: Smoke It or Eat It? (news – 2012)

Of Edibles And Overdosing (news – 2012)


Why Research is Right About Smoking vs. Eating Medicinal Marijuana (news – 2013)
METHODS – EDIBLES - BEVERAGES - OTHER*

Holi Recipes » Bhang Recipes  (undated)  http://www.holifestival.org/bhang-recipes.html

How to Make Hemp Milk  (article – undated)
http://www.ehow.com/how_5609776_make-hemp-milk.html

Milking your options-- Rice, hemp, cow, soy, almond or goat milk -- which one is better for you?  (news – 2009)
http://www.mnn.com/health/fitness/well-being/stories/milking-your-options

How Is Hemp Seed Milk Made?  (article – 2010)

Form of medical marijuana won't get you high, but it's creating a buzz  (news - 2010)
http://www.washingtonpost.com/wp-dyn/content/article/2010/05/31/AR2010053103231.html

Juiced Marijuana Offered to Medical Users as Alternative to Smoking  (news - 2010)
http://www.drugfree.org/join-together/addiction/juiced-marijuana-offered-to

A sip replaces a toke with new marijuana soda  (news – 2011)

Forget Four Loko: The rise of marijuana soda  (news – 2011)

Raw Cannabis Juice and the Link to Clinical Cannabinoid Deficiency  (news – 2012)

http://theweek.com/article/index/227026/marijuana-infused-wine-the-new-high

Moldy Marijuana? Legal Markets Spark Push for Health, Safety Standards
METHODS - EDIBLES- BEVERAGES - CANNABIS TEA*

How to Brew Marijuana Tea  (news – undated)
http://www.mahalo.com/how-to-brew-marijuana-tea/

Cuppa Gives A Better ‘ooh’  (news - 2006)

Cannabis tea revisited: A systematic evaluation  (abst - 2007)

Health Benefits of Cannabis Tea  (news – 2011)

METHODS – EDIBLES – FOODS *


Cannabis butter to spread across Europe  (news - 2004)

Recreational use and overdose of ingested processed cannabis (Majoone Birjandi) in the eastern Iran.  (abst – 2012)

CanChew Cannabinoid Gum Available to Patients Early 2013  (news – 2012)
http://www.medicaljane.com/canchew-cannabinoid-gum/

Cannabis Oil : chemical evaluation of an upcoming cannabis based medicine
METHODS - EDIBLES - RAW UNHEATED CANNABIS

Unheated Cannabis sativa extracts and its major compound THC-acid have potential immuno-modulating properties not mediated by CB1 and CB2 receptor coupled pathways. (full - 2006)
https://openaccess.leidenuniv.nl/bitstream/handle/1887/3744/07.pdf?sequence=6

Form of medical marijuana won't get you high, but it's creating a buzz (news - 2010)
http://www.washingtonpost.com/wp-dyn/content/article/2010/05/31/AR2010053103231.html

Juiced Marijuana Offered to Medical Users as Alternative to Smoking (news - 2010)
http://www.drugfree.org/join-together/addiction/juiced-marijuana-offered-to

Cannabis as a Unique Functional Food (full – 2011)
http://apothecary-genetics.spruz.com/gfile/75r4!-!HLKELE!-!svyr5/cannabis_as_a_unique_functional_food.pdf

Marijuana cannabinoids - oral and transdermal methods (news – 2011)
http://www.naturalnews.com/034425_marijuana_cannabinoids_medicine.html

Raw Cannabis Juice and the Link to Clinical Cannabinoid Deficiency (news – 2012)
http://cannabislover.com/2012/03/14/raw-cannabis-juice-and-the-link-to-clinical-cannabinoid/

Juicing medical marijuana the latest trend in amazing cures (news – 2012)
http://www.naturalnews.com/034599_medical_marijuana_juicing_cures.html

The Amazing Health Benefits of Juicing Raw Cannabis Leaves (news – 2012)

Juicing cannabis miraculously saves lives after physicians declare the battle lost (news – 2012)
http://www.naturalnews.com/035400_juicing_cannabis_remedies.html

Cannabis Cures Cancer: Look at me, I’m Cancer Free! (news – 2012)
http://www.tokeofthetown.com/2012/10/cannabis_cures_cancer_look_at_me_im_cancer_free.php

Is Juicing Cannabis Better For Health Than Smoking It? (news – 2013)
http://www.wakingtimes.com/2013/01/02/is-juicing-cannabis-better-than-smoking-it/

Some shocking results: A woman replaced 40 medications with raw cannabis juice… (news – 2013)
http://hutriverofnz.wordpress.com/2013/09/08/1604/
METHODS – EDIBLES - RECIPES

Holi Recipes » Bhang Recipes (recipe - undated)
http://www.holifestival.org/bhang-recipes.html

The Stoner's Cookbook (collection- undated) http://www.thestonerscookbook.com/

Recipes from "Onlinapot" (collection- undated) http://www.onlinapot.org/recipes.htm

Hemp Seed Recipes (collection- undated) http://manitobaharvest.com/recipes.html

How To Make Canna Oil (recipe - undated)
http://www.medicalmarijuanami.com/how-to-make-cannaoil.htm

How To Make Cannabutter (recipe - undated)
http://www.medicalmarijuanami.com/how-to-make-cannabutter.htm

Alice B. Toklas brownies: the recipe! (recipe – 1994)
http://www.straightdope.com/columns/read/880/alice-b-toklas-brownies-the-recipe

Cannabis Recipes (forum thread/collection - 2004)

Cannabutter In 7 Easy Steps! (forum thread/recipe- 2005)

Cooking with Cannabis (article – 2008)

IC Recipe Guide (forum thread/ collection - 2008)

Cannabis Cooking Tips From Uncle Buck (article– 2010)

Cannabis Cooking Oil (recipe – 2010)
http://www.thecannabischef.com/content/cannabis-cooking-oil


Recipes that can make some lives easier; Cannabis Barbeque Sauce (recipe - 2010)

Ask Old Hippie: What Can I Do With Marijuana Cooking Oil? (article – 2010)
Anchovy red wine vinegarette with or without cannabis oil  (recipe – 2011)

BadKat's CannaPharm: Canna Caps, UV Reactive GLOWING Hash Candy, Canna 'Bombs' & more  (forum post/ collection - 2011)

How To Blast Off With Nutella Firecrackers  (recipe – 2012)
http://beyondchronic.com/2012/01/how-to-blast-off-nutella-firecrackers/

Sam’S Tincture And Edible Index  (forum post/ collection – 2013)
http://forum.grasscity.com/blog/8289/entry-10121-sam%E2%80%99s-tincture-and-edible-index/

Cooking With Cannabis: 8 Delicious Marijuana Recipes  (news/ collection – 2014)

**METHODS OF USE - INHALERS**

Pharmacological evaluation of aerosolized cannabinoids in mice.  (abst – 2000)

Physiochemical and pharmacological characterization of a Delta(9)-THC aerosol generated by a metered dose inhaler.  (abst – 2002)


http://www.patentstorm.us/applications/20050079136/fulltext.html

http://www.patentstorm.us/applications/20100012118/fulltext.html


METHODS OF USE – INJECTION *- DO NOT TRY A DIY! (see older studies!)


METHODS OF USE – MICRO-ENCAPSULATION


METHODS OF USE - NASAL SPRAYS


METHODS OF USE - OROMUCOSAL SPRAY - also see Sativex

Cannabis; Adverse Effects from an Oromucosal Spray.  (full – 2007)

METHODS OF USE – RSO / RICK SIMPSON’S OIL/ HEMP OIL/ PHOENIX OIL

“Run From the Cure” Transcript  (forum post - 2009)

Making a Small Batch of Hemp Oil~ Easy Peasy!  (recipe – 2009)

The Illegal Herb that Fights Cancer  (news - 2011)
http://www.cannabisculture.com/v2/node/27122

Cannabis Science Provides Physician’s Documentation That Confirms Successful Treatment of Skin Cancer  (news/ info-mercial – 2011)

Tommy Chong Fighting Prostate Cancer With Cannabis Oil  (news – 2012)
http://www.cannabisculture.com/content/2012/06/10/Tommy-Chong-Fighting-Prostate-Cancer-Cannabis-Oil

Cannabis Cures Cancer: Look at me, I’m Cancer Free!  (news – 2012)
http://www.tokeofthetown.com/2012/10/cannabis_cures_cancer_look_at_me_im_cancer_free.php


Cannabis For Infant's Brain Tumor, Doctor Calls Child "A Miracle Baby"  (news – 2012)
http://www.huffingtonpost.com/2012/12/01/cannabis-for-infants-brai_n_2224898.html

Cannabis extract treatment for terminal acute lymphoblastic leukemia with a Philadelphia chromosome mutation  (full – 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3901602/


As Anecdotal Reports of Anti-Cancer Effects from Cannabis 'Oil' Pile Up, Doctors Stress Need to Document Its Effects (news – 2013)

4 Examples of Alternative Cancer Therapies (news – 2013)

Tommy Chong Is "Cancer Free;" Claims Marijuana Cures Cancer (news – 2013)

METHODS OF USE - SMOKING * - also see SMOKED CANNABIS AS MEDICINE

Tokepure (news – undated) http://ukcia.org/activism/tokepure.php

How to Smoke Cannabis (news – undated) http://ukcia.org/culture/smoking.php

Rolling a Joint - Basic joint rolling tips (article – undated) http://www.weedfarmer.com/joint_rolling/rolling/rolling.htm

Smoking Cannabis (news - undated) http://www.ukcia.org/culture/smoking.php#knife


A primer for patients’ use of medicinal marijuana (full - 2001) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC81348/pdf/20010807s00037p329.pdf


Cannabis Use As Described by People with Multiple Sclerosis. (full – 2003) http://cjns.metapress.com/content/5mw9rpyxvtpjrwf1/fulltext.pdf

Marijuana Smoking Doesn't Lead to Higher Death Rate  (news/forum repost - 2003)  

Cannabinoids and the immune system. Of men, mice and cells  (abst – 2004)  

Bongs and Blunts: Notes from a Suburban Marijuana Subculture.  (abst – 2005)  

DISTINGUISHING BLUNTS USERS FROM JOINTS USERS: A COMPARISON OF MARIJUANA USE SUBCULTURES  (full – 2006)  

Letter: The herbal way - a response to Ethan Russo  (letter – 2007)  

“Usual” cannabis abuse producing an unusual incident  (abst – 2007)  
(The Valsalva maneuver is performed by attempting to forcibly exhale while keeping the mouth and nose closed. Don’t even think of doing it while smoking!)  

Differential responses to cannabis potency: a typology of users based on self-reported consumption behaviour.  (abst – 2007)  

No Decrease in Pulmonary Function Associated with Long-Term Cannabis Smoking, Study Says  (news - 2007)  
http://www.illinoisnorml.org/content/view/366/27/

Cannabis smoke condensate I: the effect of different preparation methods on tetrahydrocannabinol levels.  (abst - 2008)  
http://marijuana.researchtoday.net/archive/5/7/1888.htm

Cannabinoid Receptor 1 Binding Activity and Quantitative Analysis of Cannabis sativa L. Smoke and Vapor  (full – 2009)  
https://www.jstage.jst.go.jp/article/cpb/58/2/58_2_201/_pdf

Comparison of subjective, pharmacokinetic, and physiological effects of marijuana smoked as joints and blunts.  (full - 2009)  

A comparison of drug use and dependence between blunt smokers and other cannabis users  (abst - 2009)  
http://www.unboundmedicine.com/mdline/ebm/record/19212929/abstract/A_comparison_of_drug_use_and_dependence_between_blunt_smokers_and_other_cannabis_users

Smoked cannabis for chronic neuropathic pain: a randomized controlled trial  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2850205/?tool=pmcentrez

Opioid antagonism enhances marijuana's effects in heavy marijuana smokers.  (full – 2010)  
Impact of cannabidiol on the acute memory and psychotomimetic effects of smoked cannabis: naturalistic study. (full - 2010) http://bjp.rcpsych.org/content/197/4/285.long


Effects of smoking cannabis on lung function (full – 2011) http://www.expert-reviews.com/doi/pdf/10.1586/ers.11.40

Drug-Intake Methods and Social Identity: The Use of Marijuana in Blunts Among Southeast Asian Adolescents and Emerging Adults. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3193281/?tool=pubmed


Prevalence and co-use of marijuana among young adult cigarette smokers: An anonymous online national survey (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3507655/


Can oral fluid cannabinoid testing monitor medication compliance and/or cannabis smoking during oral THC and oromucosal Sativex administration? (abst – 2012)

The changing demographic of blunt smokers across birth cohorts. (abst – 2012)

Pot smoking not tied to middle-age mental decline (news – 2012)

Legalized Pot: Smoke It or Eat It? (news – 2012)
http://news.yahoo.com/legalized-pot-smoke-eat-172706138.html;_ylt=A2KJjbzsZqJQ5CsAUXjQtDMD


Comparison of cannabinoid concentrations in oral fluid and whole blood between occasional and regular cannabis smokers prior to and after smoking a cannabis joint. (abst – 2013)

Marijuana’s dose-dependent effects in daily marijuana smokers. (abst – 2013)

Availability of tobacco products associated with use of marijuana cigars (blunts). (abst – 2013)

Why Research is Right About Smoking vs. Eating Medicinal Marijuana (news – 2013)
http://www.wakingtimes.com/2013/05/15/why-research-is-right-about-smoking-vs-eating-medicinal-marijuana/

Is Juicing Cannabis Better For Health Than Smoking It? (news – 2013)
http://www.wakingtimes.com/2013/01/02/is-juicing-cannabis-better-than-smoking-it/

Smoking cannabis does not accelerate progression of liver disease in people with HIV/HCV co-infection (news – 2013)

Dermatologists: Marijuana Can Improve Your Skin, But Not If You Smoke It (news – 2013)

The Truth About Marijuana Smoke: A Smelly Study (news/ad – 2013)

The co-use of tobacco and cannabis among adolescents over a 30-year period. (abst – 2014)
METHODS OF USE – SUPPOSITORIES / RECTAL USE *

Topical and Systemic Cannabidiol Improves Trinitrobenzene Sulfonic Acid Colitis in Mice.  (full - 2012)

METHODS OF USE – TINCTURES *

Tinctures - by Dr. Jay R. Cavanaugh, Ph.D.  (undated)
http://www.letfreedomgrow.com/recipes/tincture.htm


Cannabis improves night vision: a case study of dark adaptometry and scotopic sensitivity in kif smokers of the Rif mountains of northern Morocco.  (abst – 2004)

Pharmacokinetics and cannabinoid action using oral cannabis extract  (news – 2005)
http://www.medicalnewstoday.com/releases/29638.php

Unheated Cannabis sativa extracts and its major compound THC-acid have potential immuno-modulating properties not mediated by CB1 and CB2 receptor coupled pathways.  (full - 2006)
https://openaccess.leidenuniv.nl/bitstream/handle/1887/3744/07.pdf?sequence=6

The Definitive Green Dragon (Revised, Updated, Combined)  (forum thread - 2006)

Cannabis tinctures and extracts – in vitro profiling for cytotoxic and anti-inflammatory effects  (abst – 2007)

Glysabis  (forum thread - 2007)

Marijuana Tincture  (article & video – 2010)
http://patients4medicalmarijuana.wordpress.com/medical-use-of-cannabis-video/marijuana-tincture/
WildWill's Glycerin Tincture HOW-TO (forum thread - 2010)

Extractum Cannabis (news - 2010)

Ask Old Hippie: How Do You Make Green Dragon? (news – 2010)

Heat Exposure of Cannabis sativa Extracts Affects the Pharmacokinetic and Metabolic Profile in Healthy Male Subjects. (abst – 2012)

Optimisation and characterisation of marihuana extracts obtained by supercritical fluid extraction and focused ultrasound extraction and retention time locking GC-MS. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23505258

Taming Tinctures – Liquid Cannabis (news – 2013)
http://www.weedist.com/2013/12/taming-tinctures-liquid-cannabis/

How to Make Glycerine Tincture (news – 2013)
http://www.weedist.com/2013/02/how-to-make-glycerine-tincture/

**METHODS OF USE - TOPICAL OINTMENTS**


Topical cannabinoid enhances topical morphine antinociception. (abst - 2003)

Patent 6949582 - Method of relieving analgesia and reducing inflammation using a cannabinoid delivery topical liniment (full - 2005)
http://www.patentstorm.us/patents/6949582/fulltext.html


Cosmetic Manufacturers Harness the Power of Hemp (news – 2007)

Want Nice Skin? Then Smoke Cannabis! (news/ forum repost – 2007)
Marijuana Skin Cream? (news - 2007)
http://www.drugfree.org/join-together/drugs/marijuana-skin-cream

Glysabis (forum thread - 2007)

WR's Cannabalm (forum thread - 2008)

Local application of the endocannabinoid hydrolysis inhibitor URB597 reduces nociception in spontaneous and chemically induced models of osteoarthritis. (abst – 2010)
http://www.unboundmedicine.com/medline/ebm/record/21185649/abstract/Local_application_of_the_endocannabinoid_hydrolysis_inhibitor_URB597_reduces_nociception_in_spontaneous_and_chemically_induced_models_of_osteoarthritis

Topical Cannabis Healing Salve (recipe – 2010)
http://patients4medicalmarijuana.wordpress.com/2010/04/30/topical-cannabis-healing-salve/


Balm from canna roots (forum thread - 2010)
http://www.greenpassion.org/showthread.php?t=20879


Cannabis Science Provides Physician’s Documentation That Confirms Successful Treatment of Skin Cancer (news/ info-commercial – 2011)


Treatment of chronic regional pain syndrome type 1 with palmitoylethanolamide and topical ketamine cream: modulation of nonneuronal cells (full - 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3643547/

Anti-inflammatory activity of topical THC in DNFB-mediated mouse allergic contact dermatitis independent of CB1 and CB2 receptors (abst – 2013)
METHODS OF USE - TRANSDERMAL PATCH

http://www.patentstorm.us/patents/6132762/fulltext.html

http://www.patentstorm.us/patents/6113940/fulltext.html

US Patent 6328992 - Cannabinoid patch and method for cannabis transdermal delivery  (full - 2001)  
http://www.patentstorm.us/patents/6328992/fulltext.html

Cannabidiol-transdermal delivery and anti-inflammatory effect in a murine model.  
(abst - 2003)  

In vitro/in vivo correlation studies for transdermal delta 8-THC development.  
(abst – 2004)  

Human skin permeation of Delta8-tetrahydrocannabinol, cannabidiol and cannabinol.  
(abst - 2004)  

Enhancement of transdermal fentanyl and buprenorphine antinociception by transdermal delta9-tetrahydrocannabinol.  
(abst - 2005)  

Cannabidiol bioavailability after nasal and transdermal application: effect of permeation enhancers.  
(abst - 2010)  

US Patent Application 20110052694 - USE OF CANNABIDIOL PRODRUGS IN TOPICAL AND TRANSDERMAL ADMINISTRATION WITH MICRONEEDLES  
(full – 2011)  
http://www.patentstorm.us/applications/20110052694/fulltext.html

Marijuana cannabinoids - oral and transdermal methods  
(news – 2011)  
http://www.naturalnews.com/034425_marijuana_cannabinoids_medicine.html

Pot patch for your pooch developed in Seattle lab  
(news – 2011)  


Transdermal delivery of cannabidiol attenuates binge alcohol-induced neurodegeneration in a rodent model of an alcohol use disorder.  
(abst – 2013)  
METHODS OF USE – VAPORIZERS

ACCESSING 0.5 to 2.0 GRAMS CBD FRACTIONATING THE PHYTOCANNABINOIDS BY THEIR VAPORIZATION POINTS

How to Smoke Cannabis    (news – undated)  
http://ukcia.org/culture/smoking.php

Marijuana Water Pipe and Vaporizer Study    (news - 2000)  
http://www.maps.org/news-letters/v06n3/06359mj1.html

NORML - MAPS Study Shows Vaporizers Reduce Toxins in Marijuana Smoke    (news - 2001)  

http://www.maps.org/mmj/vaporizerstudy4.15.03.pdf

Vaporizing cannabis is safer than smoking    (letter - 2003)  
http://www.cmaj.ca/content/169/3/222.1/reply#cmaj_el_405?sid=06da3330-be42-4e66-98ac-c8f0ebbfaf5

Cal NORML/MAPS study shows vaporizer can drastically reduce toxins in marijuana smoke    (news - 2003)  

Use of vaporizers reduces toxins from cannabis smoke    (news - 2003)  
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=146#2

Cannabis Vaporizer Combines Efficient Delivery of THC with Effective Suppression of Pyrolytic Compounds    (full - 2004)  
http://www.canorml.org/healthfacts/jcantgieringervapor.pdf

'Smokeless' medicinal pot has its advocates  (news - 2005)  
http://www.sfgate.com/cgi-bin/article.cgi?file=/a/2005/06/20/MNG9GDBBLK1.DTL

US Patent 7088914 - Device, method and resistive element for vaporizing a medicament    (full - 2006)  
http://www.patentstorm.us/patents/7088914/fulltext.html

Evaluation of a vaporizing device (Volcano) for the pulmonary administration of tetrahydrocannabinol.  (abst – 2006)  
Decreased respiratory symptoms in cannabis users who vaporize. (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1853086/?tool=pmcentrez

Letter: The herbal way - a response to Ethan Russo (letter – 2007)

Vaporization as a smokeless cannabis delivery system (abst - 2007)

New Studies Destroy the Last Objection to Medical Marijuana (news - 2007)
http://www.alternet.org/drugs/5127/

Vaporizers Could Remove Pitfalls of Smoking Medical Marijuana (news - 2007)
http://www.drugfree.org/join-together/drugs/vaporizers-could-remove

Marijuana Vaporizer Provides Same Level Of THC, Fewer Toxins, Study Shows (news - 2007)
http://www.sciencedaily.com/releases/2007/05/070515151145.htm

Smokeless Cannabis Delivery Device Efficient And Less Toxic (news - 2007)
http://www.medicalnewstoday.com/articles/71112.php

No Decrease in Pulmonary Function Associated with Long-Term Cannabis Smoking, Study Says (news - 2007)
http://www.illinoisnorml.org/content/view/366/27/

Vaporized marijuana effect on CF. NOT smoking (forum post - 2007)
http://www.topix.com/forum/health/cystic-fibrosis/TBQ56B1VNGGAODTKA

Effect of intrapulmonary tetrahydrocannabinol administration in humans. (abst - 2008)
http://marijuana.researchtoday.net/archive/5/8/1816.htm

Cannabinoid Receptor 1 Binding Activity and Quantitative Analysis of Cannabis sativa L. Smoke and Vapor (full – 2009)
https://www.jstage.jst.go.jp/article/cpb/58/2/58_2_201/_pdf

Cannabis smoke condensate III: The cannabinoid content of vaporised Cannabis sativa (abst - 2009)

Vaporizers: Safe alternatives to smoking? (news – 2009)
http://www.heretohelp.bc.ca/visions/cannabis-vol5/vaporizers

Pulmonary function in cannabis users: Support for a clinical trial of the vaporizer (abst - 2010)

Low-Dose Vaporized Cannabis Significantly Improves Neuropathic Pain. (abst – 2012)

Tailoring Your High: Intro to Temperature Control With a Vaporizer (news – 2012)
Capsule Warning: The AVB Experiment That Went Wrong  (news – 2012)  
http://beyondchronic.com/2012/08/capsule-warning-avb-experiment-wrong/

California pot research backs therapeutic claims  (news – 2012)  
http://www.sacbee.com/2012/07/12/4625608/california-pot-research-backs.html

Simple Method: Isolating & Extracting INDIVIDUAL Cannabinoids... from BadKittySmiles  (forum post – 2012)  


The Best Temperature For A Vaporizer Is ...  (news – 2013)  
http://www.eastbayexpress.com/LegalizationNation/archives/2013/09/16/the-best-temperature-for-a-vaporizer-is

The Advantages of Vaporizing Medical Marijuana  (news – 2013)  

Study: Vaporized, Low-Potency Cannabis Mitigates Neuropathic Pain  (news – 2013)  
http://blog.norml.org/2013/01/03/study-vaporized-low-potency-cannabis-mitigates-neuropathic-pain/

New Study: Vaporized Marijuana is a Safe and Effective Pain Treatment  (news – 2013)  

Dermatologists: Marijuana Can Improve Your Skin, But Not If You Smoke It  (news – 2013)  

Best Eight Vape Pens and Portable Vaporizers 2013  (news/ad – 2013)  

The Truth About Marijuana Smoke: A Smelly Study  (news/ad – 2013)  

3 Studies That Prove Vaporizers Are Good For Your Lungs  (news – 2014)  
http://www.leafscience.com/2014/01/11/3-studies-prove-vaporizers-good-lungs/

METHODS OF USE - VARIOUS *

Tokepure  (news – undated)  http://ukcia.org/activism/tokepure.php
The Role of Cannabis and Cannabinoids in Pain Management (full – 2002)  
http://www.humanhemphealth.ca/Russo-AAPM_chapter.pdf

Human Cannabinoid Pharmacokinetics (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2689518/?tool=pmcentrez

Information for Health Care Professionals- Marihuana (marijuana, cannabis) dried plant for administration by ingestion or other means (Health Canada)  (full – 2010)  

Dosage & Routes of Cannabis and Cannabinoid Administration  
(article/ forum repost - 2010)  

Scientific Opinion on the safety of hemp (Cannabis genus) for use as animal feed  
(full – 2011) (deceptive title)  

The medicinal use of cannabis and cannabinoids: an international survey on methods of intake.  
(abst – 2011)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=482

Marijuana cannabinoids - oral and transdermal methods  
(news – 2011)  
http://www.naturalnews.com/034425_marijuana_cannabinoids_medicine.html

Medical Marijuana: Clearing Away the Smoke  
(full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3358713/

Cannabinoid derivate-loaded PLGA nanocarriers for oral administration: formulation, characterization, and cytotoxicity studies  
(abst– 2012)  
http://www.dovepress.com/cannabinoid-derivate-loaded-plga-nanocarriers-for-oral-administration--a11595

Cannabis Oil : chemical evaluation of an upcoming cannabis based medicine  
(full – 2013)  

The Truth About Marijuana Smoke: A Smelly Study  
(news/ad – 2013)  

**MIGRAINE/ HEADACHE** *

CANNABIS AND MARINOL IN THE TREATMENT OF MIGRAINE HEADACHE  
(abst - undated)  
http://www.druglibrary.org/schaffer/hemp/migrn2.htm
Hemp for Headache: An In-Depth Historical and Scientific Review of Cannabis in Migraine Treatment (full - 2001)

Clinical Endocannabinoid Deficiency (full - 2004)

Anandamide Is Able to Inhibit Trigeminal Neurons Using an in Vivo Model of Trigeminovascular-Mediated Nociception (full - 2004)
http://jpet.aspetjournals.org/content/309/1/56.full

Cannabinoid (CB1) Receptor Activation Inhibits Trigeminovascular Neurons (full - 2006)
http://jpet.aspetjournals.org/content/320/1/64.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=3680&resourcetype=HWCIT

Endocannabinoids in Chronic Migraine: CSF Findings Suggest a System Failure (full - 2006)
http://www.nature.com/npp/journal/v32/n6/full/1301246a.html

Dronabinol reduces signs and symptoms of idiopathic intracranial hypertension: a case report (abst - 2006)
http://www.liebertonline.com/doi/abs/10.1089/jop.2006.22.68

Biochemical Changes in Endocannabinoid System are Expressed in Platelets of Female but not Male Migraineurs (abst - 2006)
http://cep.sagepub.com/cgi/content/abstract/26/3/277?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1200&resourcetype=HWCIT

Migraine may be related to under production of cannabinoids (news - 2007)

Degradation of endocannabinoids in chronic migraine and medication overuse headache. (full - 2008)

Cluster attacks responsive to recreational cannabis and dronabinol. (abst - 2009)

Medical Marijuana and Headaches, Migraine (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/44?ailment=headaches-migraine

Medical Marijuana and Headaches, Tension (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/106?ailment=headaches-tension

Inhaled Cannabis Aborts Cluster Headaches, Journal Reports (news - 2009)
http://norml.org/index.cfm?Group_ID=7817

Medical Marijuana and Headaches, Cluster (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/133?ailment=headaches-cluster


Interictal Type 1 Cannabinoid Receptor Binding is Increased in Female Migraine Patients.  (abst – 2011)  http://www.ncbi.nlm.nih.gov/pubmed/22077199


**MISCELLANEOUS STUFF**

  [http://www.gutenberg.org/files/17855/17855-h/17855-h.htm](http://www.gutenberg.org/files/17855/17855-h/17855-h.htm)

- New Billion Dollar Crop (news – 1938)  
  [http://www.hempfarm.org/BillionDollarCrop.html](http://www.hempfarm.org/BillionDollarCrop.html)

- Suppressive Effects of 2-thiouracil on Differentiation and Flowering in Cannabis Sativa. (abst – 1960)  

- Marijuana and Mutism (abst - 1972)  

- Kif in Morocco. (abst – 1975)  

- Physical assessment of 30 chronic cannabis users and 30 matched controls. (abst – 1976)  


- Marijuana - The First Twelve Thousand Years (book – 1980)  
  [http://www.druglibrary.org/Schaffer/hemp/history/first12000/abel.htm](http://www.druglibrary.org/Schaffer/hemp/history/first12000/abel.htm)

- Ingestion of Hashish Oil-filled Condoms. (abst – 1980)  

- Bias and the cannabis researcher. (abst – 1981)  

- Barba Jacob and the history of marihuana (abst – 1986)  

- Retrieving impacted cannabis resin with ear drops. (full - 1987)  
  [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1492799/?tool=pubmed](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1492799/?tool=pubmed)

- UV-B radiation effects on photosynthesis, growth and cannabinoid production of two Cannabis sativa chemotypes (abst – 1987)  


- Stability of Cannabinoids in Dried Samples of Cannabis Dating from Around 1896-1905. (abst – 1990)  
The Intangible Rewards from Crime: The Case of Domestic Marijuana Cultivation
(abst - 1991)
http://cad.sagepub.com/content/37/4/506.abstract?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=marihuana&searchid=1&FIRSTINDEX=1840&resourcetype=HWCIT

Flashback Following Use of Cannabis--a Review (abst – 1991)

Preference for High- Versus Low-potency Marijuana. (abst – 1994)

Immuonochemical localization of tetrahydrocannabinol (THC) in cryofixed glandular
trichomes of Cannabis (Cannabaceae) (full – 1997)
http://www.amjbot.org/content/84/3/336.full.pdf+html

Kaneh Bosm: Cannabis in the Old Testament (article – 1997)
http://www.cannabisculture.com/articles/1090.html

Hemp Oil Fuels & How to Make Them (article – 1997)

Feasibility of Industrial Hemp Production in the United States Pacific Northwest

Providing medical marijuana: the importance of cannabis clubs. (abst – 1998)

http://www.fsijournal.org/article/S0379-0738%2899%2900204-2/abstract

Have I got brews for you... Hemp beer's here to stay. (news – 1998)
http://www.thefreelibrary.com/Have+I+got+brews+for+you...+Hemp+beer%27s+here+to+stay.-a060746769

Thujone exhibits low affinity for cannabinoid receptors but fails to evoke cannabimimetic

Canada OKs Medical Marijuana (news – 1999)

Marijuana Gets Research Nod (news – 1999)

Cannabinoid mimics in chocolate utilized as an argument in court (abst – 2000)
http://chocolate.org/chocdefence.html

New Tropical Industrial Hemp (full – 2001)
Industrial Hemp (Cannabis sativa L.) as a Papermaking Raw Material in Minnesota: Technical, Economic, and Environmental Considerations (full – 2001)  


Distortion of Teatree Stems by Twine As a Means to Determine the Number of Years That the Stems Have Been Used to Support Cannabis Plants. (abst – 2001)  

Cannabis-induced Koro in Americans. (abst – 2001)  

Chronic Cannabis Use in the Compassionate Investigational New Drug Program: An Examination of Benefits and Adverse Effects of Legal Clinical Cannabis (full – 2002)  

Hemp: A New Crop with New Uses for North America (news – 2002)  
http://www.hort.purdue.edu/newcrop/ncnu02/v5-284.html

This Bud's Not For You (news – 2002)  
http://content.time.com/time/magazine/article/0,9171,201911,00.html

http://jod.sagepub.com/content/34/3/623.full.pdf+html

http://jod.sagepub.com/content/33/2/465.full.pdf+html

Patent 6503492 - Antiperspirant or deodorant compositions (full – 2003)  
http://www.patentstorm.us/patents/6503492/fulltext.html

Cannabis linked to Biblical healing (news – 2003)  
http://news.bbc.co.uk/2/hi/health/2633187.stm

Cannabis (marijuana) contamination of United States and foreign paper currency. (abst – 2004)  

A biological oil adsorption filter. (abst – 2004)  

The Variation in Arrestees' Disclosure of Recent Drug Use Across Locations, Drugs, and Demographic Characteristics. (full – 2005)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2565490/?tool=pubmed
Medical marijuana and the Supreme Court.  (full – 2005)  

God forbid! Substance use among religious and non-religious youth.  (full – 2005)  

It Is Time for Marijuana to Be Reclassified as Something Other Than a Schedule I Drug!  
(article - 2005)  

Mother's milk and the muffin man: grassroots innovations in medical marijuana delivery systems.  (abst – 2005)  


Fibre crops as alternative land use for radioactively contaminated arable land.  
(abst – 2005)  

Waterborne Lead Exposure Affects Brain Endocannabinoid Content in Male but Not Female Fathead Minnows (Pimephales Promelas).  (abst – 2005)  

Pot, Dogs, and the Constitution  
(news – 2005)  

Ford And Deisel Never Intended Cars To Use Gasoline  
(news – 2005)  
http://www.rense.com/general67/FORD.HTM

The Thin Green Line: Employers and Medical Marijuana  
(news – 2005)  

Teen Drug Use Has Changed Little Since 1970s : Genetics, environment, nature of drug determine number of new users who become dependent.  
(news – 2005)  

Marijuana Production in the United States  
(full – 2006)  

ganja and Ayurveda  
(article - 2006)  
http://tribes.tribe.net/adi_ayurveda/thread/8f985241-54c5-4969-b8cb-f2923532ff9c

Explicit and Implicit Effects of Anti-marijuana and Anti-tobacco Tv Advertisements.  
(abst – 2006)  

DEA spends big $$$ to eradicate feral hemp  
(news – 2006)  
http://tribes.tribe.net/time_4_hemp/thread/6bf51037-3518-47aa-aeab-e28da81e9446
Taking a Leaf from 'Pot Docs' (news – 2006)

THE RACE/ETHNICITY DISPARITY IN MISDEMEANOR MARIJUANA ARRESTS IN NEW YORK CITY (full – 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2561263/?tool=pubmed

Cannabis and Endocannabinoids: The Old Man and the Teenagers (full – 2007)

Retail marijuana purchases in designer and commercial markets in New York City: sales units, weights, and prices per gram. (full – 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2077843/?tool=pubmed

Do Medical Cannabis Laws Encourage Cannabis Use? (abst - 2007)
http://www.ijdp.org/article/S0955-3959%2806%2900211-8/abstract

“Usual” cannabis abuse producing an unusual incident (abst – 2007)
(The Valsalva maneuver is performed by attempting to forcibly exhale while keeping the mouth and nose closed. Don’t do it!) http://www.ncbi.nlm.nih.gov/pubmed/17342632

Apparent increase in biomass and see productivity in hemp (Cannabis sativa) resulting from branch proliferation caused by the European corn borer (Ostrinia nubilalis). (abst – 2007) http://www.agr.gc.ca/eng/abstract/?id=9561000000564

Canadian pot use four times global rate (news – 2007)

“Why Does My Beer Smell Like Weed?” (news – 2007)

Detection method for the ability of hemp (Cannabis sativa L.) seed germination by the use of 2,3,5-triphenyl-2H-tetrazolium chloride (TTC) (full - 2008)

Hemp Ethanol Saves the World (1) – The Economics of Hemp Fuels (article – 2008)

Hemp Ethanol Saves the World (2) - The History of Hemp Fuels (article – 2008)

Hemp Ethanol Saves the World (3) – The Politics of Hemp Fuels (article – 2008)

Scheduling process at DEA - the example of cannabidiol (abst – 2008)
http://www.fasebj.org/cgi/content/meeting_abstract/22/1_MeetingAbstracts/711.1


Medical Marijuana and the Law (full - 2010) http://content.nejm.org/cgi/content/full/362/16/1453?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=2080&resourcetype=HWCIT

Cannabinoids Excite Circadian Clock Neurons (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2927117/?tool=pmcentrez


Estimated Cost of Production for Legalized Cannabis (link to PDF – 2010) http://www.rand.org/pubs/working_papers/WR764.html

Characteristics of Cannabis sativa L.: seed morphology, germination and growth characteristics, and distinction from Hibiscus cannabinus L (link to PDF – 2010) https://www.jstage.jst.go.jp/article/yakushi/130/2/130_2_237/_article


The results of an experimental indoor hydroponic Cannabis growing study, using the 'Screen of Green' (ScrOG) method-Yield, tetrahydrocannabinol (THC) and DNA analysis. (abst – 2010) http://www.ncbi.nlm.nih.gov/pubmed/20462712


The case for small-scale domestic cannabis cultivation. (abst – 2010)
The feasibility of converting Cannabis sativa L. oil into biodiesel (abst - 2010)


Pot Prices Go Viral: Crowdsourcing the Drug Deal? (news – 2010)


Hemp produces viable biodiesel, study finds (news – 2010)

Pot for Grandma? Middle-Aged Adults Buying Weed for Ailing Parents (news – 2010)

Hemp could be key to zero-carbon houses (news – 2010)

Scientists Find New Sources of Plant Cannabinoids Other than Medical Marijuana? (news – 2010)

Cannabis electric car to be made in Canada (news - 2010)

Effect of various concentrations of Crocus sativus and Cannabis sativa extracts on luminescent biosensor Escherichia coli SM10 S1 (full – 2011)

Bilateral testicular self-castration due to cannabis abuse: a case report (full – 2011) (warning- graphic pictures)

Cannabinoid CB2 Receptors Contribute to Upregulation of β-endorphin in Inflamed Skin Tissues by Electroacupuncture (full – 2011)

The current status of community drug testing via the analysis of drugs and drug metabolites in sewage (full – 2011)
"But my Doctor Recommended Pot": Medical Marijuana and the Patient-Physician Relationship. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3208453/


What can we learn from the Dutch cannabis coffeeshop system? (abst – 2011) http://marijuana.researchtoday.net/archive/8/10/4840.htm


Electroacupuncture reduces the expression of proinflammatory cytokines in inflamed skin tissues through activation of cannabinoid CB2 receptors. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/22337285


Effect of drug law enforcement on drug market violence: a systematic review.  

Medicinal Genomics Sequences the Cannabis Genome to Assemble the Largest Known Gene Collection of this Therapeutic Plant.  
(news – 2011)  http://www.thefreelibrary.com/Medicinal+Genomics+Sequences+the+Cannabis+Genome+to+Assemble+the-Largest+Known+Gene+Collection+of+this+Therapeutic+Plant-a0264585240

Drug Raids Based on "Smelling" Marijuana  

Feasibility of Using Mycoherbicides to Control Illicit Drug Crops Is Uncertain  

Recycled Polyester, Organic Cotton or Hemp - Which is The Most Eco-Friendly Fiber?  

Chocolate & marijuana: chemical cousins  

Part of placebo effect ascribed to cannabinoids  

Report: Drug-Sniffing Dogs Are Wrong More Often Than Right  

U.S. Rules That Marijuana Has No Medical Use. What Does Science Say?  

125 Year Old Woman Claimed Smoking Cannabis Everyday Was Her Secret to Long Life  

10 Questions To Ask Your Cannabis Scientist  
(news - 2011)  http://www.freedomisgreen.com/10-questions-to-ask-your-cannabis-scientist/

The Importance Of Matured Cannabis  
(news – 2011)  http://www.clear-uk.org/the-importance-of-matured-cannabis/

BadKat's CannaPharm: Canna Caps, UV Reactive GLOWING Hash Candy, Canna 'Bombs' & more  
High on Life? Medical Marijuana Laws and Suicide  (full – 2012)  

The medicalisation of revolt: a sociological analysis of medical cannabis users.  (full – 2012)  

Clinical Service Desires of Medical Cannabis Patients.  (full – 2012)  

Societal images of Cannabis use: comparing three countries.  (full – 2012)  

The Relationship between Plants Used to Sustain Finches (Fringillidae) and Uses for Human Medicine in Southeast Spain.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3350861/?tool=pubmed

Exploring the ecological association between crime and medical marijuana dispensaries  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3364319/

Nutritive quality of romanian hemp varieties (Cannabis sativa L.) with special focus on oil and metal contents of seeds.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3543203/

Is today's marijuana more potent simply because it's fresher?  (full – 2012)  

Using dopamine research to generate rational cannabinoid drug policy.  (full – 2012)  

Medical marijuana laws in 50 states: Investigating the relationship between state legalization of medical marijuana and marijuana use, abuse and dependence.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3251168/

Cannabis sativa - An Important Subsistence Pollen Source for Apis mellifera  (full – 2012)  

Cannabis in the Media: Film Prespectives on the Least Illicit Schedule 1 Drug  (full – 2012)  

Hemp Around the World  (article – 2012)  

Hemp Products Information  (article – 2012)  

The potential of industrial hemp (Cannabis sativa L.) for biogas production
Cannabis Strain Explorer (web page - 2012)  http://www.leafly.com/explore


Enzymatic accessibility of fiber hemp is enhanced by enzymatic or chemical removal of pectin. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22237172


Left-handedness is statistically linked to lifetime experimentation with illicit drugs. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22594814


Do Harsh Pot Laws Create a Dangerous Drinking Culture? 5 Reasons to Get Stoned Instead of Drunk (news – 2012) [http://www.alternet.org/story/153870/do_harsh_pot_laws_create_a_dangerous_drinking_culture_5_reasons_to_get_stoned_instead_of_drunk](http://www.alternet.org/story/153870/do_harsh_pot_laws_create_a_dangerous_drinking_culture_5_reasons_to_get_stoned_instead_of_drunk)


Effects of steam pretreatment and co-production with ethanol on the energy efficiency and process economics of combined biogas, heat and electricity production from industrial hemp  (full – 2013)  http://www.biotechnologyforbiofuels.com/content/6/1/56


Identity Formation, Marijuana and “The Self”: A Study of Cannabis Normalization among University Students  (full – 2013)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3847659/


Extraction of high quality DNA from seized moroccan cannabis resin (hashish).  (full – 2013)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3790795/


Cloud point extraction of Δ(9)-tetrahydrocannabinol from cannabis resin.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/23354583


Perceptions of cannabis as a stigmatized medicine: a qualitative descriptive study.


Use of Silk Road, the online drug marketplace, in the UK, Australia and the USA. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/24372954


Cannabis psychosis admissions rose after drug reclassified to Class B (news – 2013) http://www.guardian.co.uk/science/sifting-the-evidence/2013/jul/18/cannabis-psychosis-uk-drug-class-c

Grand Rapids marijuana decriminalization: No spike in cases (news – 2013)

Swiss Study Reveals Cannabis Users Are More Health Literate Than Non-Users (news – 2013)
http://www.opposingviews.com/i/society/swiss-study-reveals-cannabis-users-are-more-health-literate-non-users

Marijuana Sold and Smoked Freely In North Korea? (news – 2013)

In 1981 STASH cologne for men attracted women as well as police and their dogs (news – 2013)

Few Problems With Cannabis for California (news – 2013)

Off-the-clock pot use shouldn't be grounds for firing, poll finds (news - 2013)

Citing hemp’s legitimate uses, growers seek freedom to cultivate it (news – 2013)


Scotland Village Houses Being Built With Hemp (news – 2013)


Science for potheads: Why they love to get high (news – 2013)
http://www.salon.com/2013/09/08/science_for_potheads_why_they_love_to_get_high/

Athletes and Pot: Legalized marijuana in a league of its own (news – 2013)

Cannabis use among teens is on the rise in some developing countries (news – 2013)
http://www.medicalnewstoday.com/releases/269017.php
Marijuana Unlikely To Cause Violence, Study Finds (news – 2013)

A Colorado marijuana guide: 64 answers to commonly asked questions (news – 2013)

5 Biggest Lies from Anti-Pot Propagandist Kevin Sabet (news – 2013)
http://www.alternet.org/drugs/5-biggest-lies-anti-pot-propagandist-kevin-sabet?page=0%2C0

Zeoform: A New Plastic That Turns Hemp Into Almost Anything (news – 2013)

Feds Don’t Understand Why More Than Half of U.S. Adults Want to Legalize Marijuana (news – 2013)
http://www.opposingviews.com/i/society/feds-don-t-understand-why-more-half-us-adults-want-legalize-marijuana

Drug War Blocking Potential Treatments for Cancer, Alzheimer’s, Journal Claims (news – 2013)
http://healthland.time.com/2013/06/14/drug-war-blocking-potential-treatments-for-cancer-alzheimers-journal-claims/


Hemp growers cooperatives' report touts crop’s benefits to coal (news – 2014)

Active ingredient in pot sets off a feedback that reduces intoxication (news – 2014)

New study casts doubts on effectiveness of drug testing students (news – 2014)
http://www.csmonitor.com/USA/USA-Update/2014/0113/New-study-casts-doubts-on-effectiveness-of-drug-testing-students

With Legal Weed Comes Hemp Beer (news – 2014)

Why Legalizing Marijuana Is a Smart Fiscal Move (news – 2014)
http://news.yahoo.com/why-legalizing-marijuana-smart-fiscal-101500628.html;_ylt=AwrTWf0C0.JSdEAAcDQtDMD

Hemp growing going legit after decades-long ban (news – 2014)
http://bostonherald.com/business/business_markets/2014/01/hemp_growing_going_legit_after_decades_long_ban

Scientists Know More About Marijuana as a Medicine Than Many FDA Approved Pharmaceuticals (news – 2014)
http://www.alternet.org/drugs/scientists-know-more-about-marijuana-medicine-many-fda-approved-pharmaceuticals

Can Legalizing Marijuana Help Appalachia? (news – 2014)  

The federal catch-22 of cannabis and banking (news – 2014)  

Obama Confused About Power to Reschedule Pot, Advocates Say (news – 2014)  

Eskimos and stoners have impressive vocabularies (news – 2014)  

A Marijuana Economy Primer: Reefer Briefer (news – 2014)  

Marijuana Legalization Progress: Members of Congress Call on President Obama to Use His Authority to Reclassify Marijuana (news – 2014)  

MORNING SICKNESS - also see NAUSEA

Menstrual cramps, morning sickness and labour pain (anecdotal – 2001)  

Hyperemesis Gravidarum and Clinical Cannabis: To Eat or Not to Eat? (full - 2002)  

Medical marijuana: a surprising solution to severe morning sickness (news - 2004)  
http://www.mothering.com/community/a/medical-marijuana-a-surprising-solution-to-severe-morning-sickness

US Patent Application 20050165088 - Compositions comprising cannabinoids for treatment of nausea, vomiting, emesis, motion sickness or like conditions (full - 2005)  
http://www.patentstorm.us/applications/20050165088/fulltext.html

Marijuana Effective Against Morning Sickness: Study (news – 2005)  

http://safeaccess.ca/research/cannabis_nausea2006.pdf


Pregnant women turning to cannabis for morning sickness relief risk prosecution (news - 2010) http://michigandispensaries.us/news/pregnant-women-turning-to-cannabis-for-morning-sickness-relief-risk-prosecution


**MORTALITY RATES**


Comparing cannabis with tobacco—again Link between cannabis and mortality is still not established (full - 2003) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC196384/?tool=pmcentrez
How deadly is marijuana? (news - 2003)  
http://www.medicalnewstoday.com/articles/4426.php

Marijuana Smoking Doesn't Kill (news - 2003)  

Marijuana Smoking Doesn't Lead to Higher Death Rate (news/forum repost - 2003)  

http://medicalmarijuana.procon.org/sourcefiles/marinol.pdf

Illicit Drug Use in Young Adults and Subsequent Decline in General Health: The Coronary Artery Risk Development in Young Adults (CARDIA) Study (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1885466/?tool=pmcentrez

Anorexia of aging in long term care: is dronabinol an effective appetite stimulant?--a pilot study. (abst – 2007)  

Hashish Body Packing: A Case Report (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2731515/?tool=pmcentrez

Deaths from Marijuana v. 17 FDA-Approved Drugs (report - 2009)  

An index of fatal toxicity for drugs of misuse. (abst - 2010)  

Pregnant Women Smoking Pot Could Reduce Infant Mortality (news - 2010)  
http://www.opposingviews.com/i/pregnant-women-smoking-pot-could-reduce-infant-mortality

Annual Causes of Death in the United States (article – 2011)  
http://drugwarfacts.org/cms/?q=node/30

Cocaine, Opiate, and Cannabinoid Infant Mortality Study (news – 2011)  

High on Life? Medical Marijuana Laws and Suicide (full – 2012)  

Alcohol and cannabis use and mortality in people with schizophrenia and related psychotic disorders. (abst – 2012)  

Cannabidiol exerts anti-convulsant effects in animal models of temporal lobe and partial seizures. (abst – 2012)  

Cannabis misinterpretation and misadventure in a coroner's court. (abst – 2012)  
Study: Marijuana Linked to Lower Mortality Rate for Patients with Psychotic Disorders (news – 2012)  
http://www.alternet.org/story/155657/study%3A_marijuana_linked_to_lower_mortality_rate_for_patients_with_psychotic_disorders

The Global Epidemiology and Contribution of Cannabis Use and Dependence to the Global Burden of Disease: Results from the GBD 2010 Study (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0076635


Pot Smoking Not Linked To Greater Risk Of Death For Those With Coronary Disease (news – 2013)  

Study: Imposition Of Per Se Limits For Drugs Don't Reduce Traffic Deaths (news – 2013)  
http://norml.org/news/2013/01/17/study-imposition-of-per-se-limits-for-drugs-don-t-reduce-traffic-deaths

Study: Recreational Marijuana Users Show No ‘Negative Health Outcomes’ (news – 2013)  
http://www.leafscience.com/2013/09/24/study-recreational-marijuana-users-show-negative-health-outcomes/

No detectable association between frequency of marijuana use and health or healthcare utilization (news – 2013)  

**MOTION SICKNESS**

US Patent Application 20050165088 - Compositions comprising cannabinoids for treatment of nausea, vomiting, emesis, motion sickness or like conditions (full - 2005)  
http://www.patentstorm.us/applications/20050165088/fulltext.html

The effects of cannabidiol and tetrahydrocannabinol on motion-induced emesis in Suncus murinus. (full – 2008)  

Motion Sickness, Stress and the Endocannabinoid System (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2873996/?tool=pmcentrez

Effects of parabolic flight and spaceflight on the endocannabinoid system in humans.
MRSA/ METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS *

Topical MRSA Cure (news/anecdotal – undated)
http://cannabismrsacure.letstalkaboutpot.com/topical-marijuana-mrsa-cure/

Antibacterial cannabinoids from Cannabis sativa: a structure-activity study. (link to PDF - 2008)

Marijuana extracts kill antibiotic-resistant MRSA without a high (news – 2008)

Doping the superbugs (news - 2008)

Chemicals in Marijuana May Fight MRSA (news - 2008)

Killing bacteria with cannabis (news - 2008)
http://arstechnica.com/journals/science.ars/2008/08/26/killing-bacteria-with-cannabis

Marijuana Ingredients Show Promise In Battling Superbugs (news - 2008)
http://www.medicalnewstoday.com/articles/120477.php

How pot may win the war against super-bacteria (news - 2008)
http://healthcare.zdnet.com/?p=1324

A New MRSA Defense (news - 2008)
http://www.technologyreview.com/biomedicine/21366/?a=f

Ganja Sacred Healer... Cannabinoids kill MRSA (news - 2008)
http://2012.tribe.net/thread/64220726-9cea-459e-8c4f-b28133f7ced4

Pot is good for you? Marijuana fights the superbugs (news/forum repost - 2008)

Natural plant cannabinoids reduce multi-drug resistant infections (news - 2009)
http://www.news-medical.net/?id=48757

Another Reason To Legalize Marijuana: It Kills MRSA Like The Antibiotic Vancomycin! (news – 2009)
The Faces Of Medical Marijuana: An Interview With Sarah Lovering  

Taming THC: potential cannabis synergy and phytocannabinoid-terpenoid entourage effects.  (full - 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165946/

Another Amazing Medical Use For Marijuana: MRSA  (anecdotal – 2011)  http://goarticles.com/article/Another-Amazing-Medical-Use-For-Marijuana-MRSA/4328787/

Transcriptional Profiles of the Response of Methicillin-Resistant Staphylococcus aureus to Pentacyclic Triterpenoids  (full – 2013)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3577688/


Can Marijuana Combat The ‘Catastrophic’ Rise Of Drug Resistant Bacteria?  

MULTIPLE SCLEROSIS/ MS *

The use of cannabinoids in MS: is it evidence based?  (abst - undated)  http://www.ukcia.org/research/UseOfCannabinoidsInMSEvidenceBased.pdf


Cannabinoids control spasticity and tremor in a multiple sclerosis model  (full - 2000)  http://www.ukcia.org/research/CannabinoidsControlSpasticityAndTremorInAMultipleSclerosisModel.php


Therapeutic aspects of cannabis and cannabinoids.  (full - 2001)  http://bjp.rcpsych.org/cgi/content/full/178/2/107
Acute and chronic effects of cannabis based medicinal extract on refractory lower urinary tract dysfunction in patients with advanced multiple sclerosis – early results
(abst - 2001)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=103

The cannabinoids: an overview. Therapeutic implications in vomiting and nausea after cancer chemotherapy, in appetite promotion, in multiple sclerosis and in neuroprotection. (abst - 2001)  

Control of the cell survival/death decision by cannabinoids. (abst – 2001)  

Chronic Cannabis Use in the Compassionate Investigational New Drug Program: An Examination of Benefits and Adverse Effects of Legal Clinical Cannabis (full – 2002)  


Cannabinoids and multiple sclerosis. (abst - 2002)  

Marijuana Helps MS Patients Alleviate Pain, Spasms (news - 2002)  

MS SUFFERER DEFENDS DRUG; CANNABIS HELPED ME WALK. (news - 2002)  
http://www.thefreelibrary.com/MS+SUFFERER+DEFENDS+DRUG%3b+CANNABIS+HELPED+ME+WALK.-a082609025

Cannabis Use As Described by People with Multiple Sclerosis. (full – 2003)  
http://cjns.metapress.com/content/5mw9rpyxvpjrwf1/fulltext.pdf

Therapeutic Action of Cannabinoids in a Murine Model of Multiple Sclerosis (full - 2003)  
http://www.jneurosci.org/cgi/content/full/23/7/2511?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabinoids&andorexactfulltext=and&searchid=1&FIRSTINDEX=20&sortspec=relevance&resourcetype=HWCIT

Cannabinoids inhibit neurodegeneration in models of multiple sclerosis (full - 2003)  
http://brain.oxfordjournals.org/cgi/content/full/126/10/2191?ijkey=c7c6bf1d158b85c98cb1a190d5ca2614552989ba0

Whether whole plant Cannabis extracts can improve intractable neurogenic symptoms? (full - 2003)  
http://www.ukcia.org/research/WholePlantExtractsImproveNeurogenicSymptoms.pdf
Immunoregulation of a viral model of multiple sclerosis using the synthetic cannabinoid R(+)-WIN55,212 (full - 2003)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC152941/?tool=pmcentrez

Cannabinoids inhibit neurodegeneration in models of multiple sclerosis  (full - 2003)  
http://brain.oxfordjournals.org/cgi/content/full/126/10/2191

Randomised controlled trial of cannabis based medicinal extracts (CBME) in central neuropathic pain due to multiple sclerosis.  (abst - 2003)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=82


Therapeutic potential of cannabinoids in CNS disease.  (abst - 2003)  

Cannabis May Help Multiple Sclerosis  (news - 2003)  

Cannabis can help MS sufferers  (news - 2003) (may need registration)  

'How cannabis helped me'  (news/anecdotal - 2003)  
http://news.bbc.co.uk/2/hi/health/3248701.stm

Initial experiences with medicinal extracts of cannabis for chronic pain: Results from 34 ‘N of 1’ studies  (full - 2004)  
http://www.ukcia.org/research/InitialExperiencesChronicPain.pdf

Does the cannabinoid dronabinol reduce central pain in multiple sclerosis? Randomised double blind placebo controlled crossover trial  (full - 2004)  
http://www.bmj.com/cgi/content/full/329/7460/253

Cannabinoids and neuroinflammation  (full - 2004)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1574256/?tool=pmcentrez

Do cannabis-based medicinal extracts have general or specific effects on symptoms in multiple sclerosis? A double-blind, randomized, placebo-controlled study on 160 patients.  (full - 2004)  

http://www.ukcia.org/research/EfficacySafetyTolerabilityInMSSpasticityTreatment.pdf
[http://www.ukcia.org/research/CBEForMSBladderDysfunction.pdf](http://www.ukcia.org/research/CBEForMSBladderDysfunction.pdf)

Multiple Sclerosis Following Treatment with a Cannabinoid Receptor-1 Antagonist. (abst – 2004)  

Are oral cannabinoids safe and effective in refractory neuropathic pain?  (abst - 2004)  


Cannabis study encouraging for MS  (news - 2004)  

Cannabis Relieves Multiple Sclerosis Pain  (news - 2004)  

Cannabis truly helps multiple sclerosis sufferers  (news - 2004)  
(may need registration)  

Therapy Insight: Bladder Dysfunction Associated With Multiple Sclerosis  (full - 2005)  
[http://www.nature.com/nrurol/journal/v2/n10/full/ncpuro0323.html](http://www.nature.com/nrurol/journal/v2/n10/full/ncpuro0323.html)

Cannabinoids in multiple sclerosis (CAMS) study: safety and efficacy data for 12 months follow up  (full - 2005)  

Emerging properties of cannabinoid medicines in the management of multiple sclerosis  (full - 2005)  
[http://www.ukcia.org/research/ManagementOfMultipleSclerosis.pdf](http://www.ukcia.org/research/ManagementOfMultipleSclerosis.pdf)

The synthetic cannabinoid R(+)WIN 55,212-2 inhibits the interleukin-1 signaling pathway in human astrocytes in a cannabinoid receptor-independent manner.  (full – 2005)  
[http://www.jbc.org/content/280/43/35797.long](http://www.jbc.org/content/280/43/35797.long)

Sativex: Fact Sheet  (full - 2005)  
[http://www.bayer.ca/files/sativex_fs_fd_091289_e.pdf](http://www.bayer.ca/files/sativex_fs_fd_091289_e.pdf)

Stimulation of cannabinoid receptor 2 (CB2) suppresses microglial activation  (link to PDF – 2005)  
[http://www.springerlink.com/content/tq777102q4185073/fulltext.html](http://www.springerlink.com/content/tq777102q4185073/fulltext.html)

Sativex: Health Care Professional letter  (letter - 2005)  
[http://www.bayer.ca/files/sativex_dhcpl_lapds_091289_e.pdf](http://www.bayer.ca/files/sativex_dhcpl_lapds_091289_e.pdf)

Cannabinoid control of motor function at the basal ganglia.  (abst – 2005)  

Decreased endocannabinoid levels in the brain and beneficial effects of agents activating cannabinoid and/or vanilloid receptors in a rat model of multiple sclerosis.  (abst – 2005)  

Cannabis-based medicine in central pain in multiple sclerosis  (abst - 2005)  
http://www.neurology.org/cgi/content/abstract/65/6/812?etoc

Cannabinoids and neuroprotection in CNS inflammatory disease.  (abst - 2005)  

Therapeutic action of cannabinoid on axonal injury induced by peroxynitrite  (abst - 2005)  

Cannabis-based medicinal extract (Sativex) produced significant improvements in a subjective measure of spasticity which were maintained on long-term treatment with no evidence of tolerance.  (abst - 2005)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=170

Randomized, controlled trial of cannabis-based medicine in central pain in multiple sclerosis.  (abst - 2005)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=175

Marijuana derivatives may provide MS treatment  (news - 2005)  
http://www.health.am/ab/more/marijuana_derivatives_may_provide_ms_treatment/

Medicinal marijuana use Experiences of people with multiple sclerosis (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1479734/?tool=pmcentrez

Experimental autoimmune encephalomyelitis disrupts endocannabinoid-mediated neuroprotection  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1458883/?tool=pmcentrez

Role of the Cannabinoid System in Pain Control and Therapeutic Implications for the Management of Acute and Chronic Pain Episodes  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2430692/?tool=pubmed

Multiple sclerosis may disrupt endocannabinoid brain protection mechanism  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1458835/?tool=pmcentrez

Cannabinoids In Medicine: A Review Of Their Therapeutic Potential  (full – 2006)  

http://www.patentstorm.us/applications/20060167084/fulltext.html


The endocannabinoid system is dysregulated in multiple sclerosis and in experimental autoimmune encephalomyelitis (full - 2007) http://brain.oxfordjournals.org/cgi/content/full/awm160v1


Cannabinoid CB1 and CB2 Receptors and Fatty Acid Amide Hydrolase Are Specific Markers of Plaque Cell Subtypes in Human Multiple Sclerosis (full - 2007) http://www.jneurosci.org/cgi/content/full/27/9/2396?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabinoid&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HWCIT

The endocannabinoid system in targeting inflammatory neurodegenerative diseases (full - 2007) http://www.academia.edu/5172933/The_endocannabinoid_system_in_targeting_inflammatory_neurodegenerative_diseases
Control of Spasticity in a Multiple Sclerosis Model is mediated by CB1, not CB2, Cannabinoid Receptors (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2189718/?tool=pmcentrez

Randomized controlled trial of cannabis-based medicine in spasticity caused by multiple sclerosis  (abst - 2007)  (needs free registration)  


Cannabidiol attenuates high glucose-induced endothelial cell inflammatory response and barrier disruption  (abst - 2007)  

Cannabis-based medicine in spasticity caused by multiple sclerosis.  (abst - 2007)  
http://www.unboundmedicine.com/medline/ebm/record/17355549/abstract/Randomized_controlled_trial_of_cannabis_based_medicine_in_spasticity CAUSED BY_multiple_sclerosis


Cannabis based treatments for neuropathic and multiple sclerosis-related pain.  (abst - 2007)  
http://www.unboundmedicine.com/medline/ebm/record/17257464/abstract/Meta_analysis_of_cannabis_based_treatments_for_neuropathic_and_multiple_sclerosis_related_pain


Cannabis could hold the key to ending multiple sclerosis misery  
(http://www.physorg.com/news94743932.html)

Multiple sclerosis, cannabinoids, and cognition.  
(http://neuro.psychiatryonline.org/article.aspx?articleid=103259)

Cannabinoids in the management of difficult to treat pain  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2503660/?tool=pmcentrez)

CB2 cannabinoid receptors as an emerging target for demyelinating diseases: from 
neuroimmune interactions to cell replacement strategies  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219542/)

The CB2 Cannabinoid Receptor Controls Myeloid Progenitor Trafficking 
INVolvement IN THE PATHOGENESIS OF AN ANIMAL MODEL OF 
MULTIPLE SCLEROSIS  
(http://www.jbc.org/content/283/19/13320.long)

Cannabinoid CB2 receptors in human brain inflammation  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219537/)

Cannabinoids in the management of spasticity associated with multiple sclerosis 
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2626929/?tool=pmcentrez)

The CB(2) cannabinoid receptor controls myeloid progenitor trafficking: involvement in 
the pathogenesis of an animal model of multiple sclerosis.  
(http://www.jbc.org/content/283/19/13320.long)

treating symptoms associated with multiple sclerosis  
(http://www.patentstorm.us/applications/20080181942/fulltext.html)

Cannabinoid-mediated neuroprotection, not immunosuppression, may be more relevant to 
multiple sclerosis  
(http://www.jni-journal.com/article/S0165-5728%2807%2900396-7/fulltext)

Current Status of Cannabis Treatment of Multiple Sclerosis with an Illustrative Case 
Presentation of a Patient with MS, Complex Vocal Tics, Paroxysmal Dystonia, and 
Marijuana Dependence Treated with Dronabinol.  
(http://www.ncbi.nlm.nih.gov/pubmed/18496477)

The endocannabinoid system and multiple sclerosis.  
(http://www.ncbi.nlm.nih.gov/pubmed/18781983)

Abnormalities in the cerebrospinal fluid levels of endocannabinoids in multiple sclerosis.  
(http://www.ncbi.nlm.nih.gov/pubmed/18535023)

Cannabis use in Spanish patients with multiple sclerosis  
(http://www.ncbi.nlm.nih.gov/pubmed/18535023)

Cannabis May Halt Progression Of Multiple Sclerosis  (news - 2008)  http://norml.org/index.cfm?Group_ID=7704


Emerging Role of the CB2 Cannabinoid Receptor in Immune Regulation and Therapeutic Prospects  (full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2768535/?tool=pmcentrez

Cannabinoids as Therapeutic Agents for Ablating Neuroinflammatory Disease (full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2750822/?tool=pmcentrez


Evaluation of nabilone as an adjunctive to gabapentin in the management of multiple sclerosis-induced neuropathic pain: An Interim Analysis (abst – 2009)

Medical Marijuana and Multiple Sclerosis (MS) (news – 2009)
https://www.marijuanadocctors.com/content/ailments/view/80?ailment=multiple-sclerosis-ms

Clinical phase III study with the cannabis extract Cannador successful in multiple sclerosis (news - 2009)

Marijuana Eases Spasticity in MS Patients (news – 2009)

Pot shows promise for reducing multiple sclerosis patients' symptoms (news - 2009)
http://www.scientificamerican.com/blog/post.cfm?id=pot-shows-promise-for-reducing-mult-2009-12-02

Study Confirms That Cannabis Is Beneficial for Multiple Sclerosis (news - 2009)

Marijuana Chemicals Ease MS Symptoms, Review Confirms (news - 2009)
http://www.drugfree.org/uncategorized/marijuana-chemicals-ease-ms

14 of 15 MS patients show clinical improvement with cannabis consumption (news – 2009)

Cannabis can reduce spasticity in MS patients (news - 2009)

Standardized Cannabis in Multiple Sclerosis: A Case Report (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2806860/?tool=pubmed

New approaches in the management of spasticity in multiple sclerosis patients: role of cannabinoids (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2835560/?tool=pmcentrez

Cannabinoid-induced apoptosis in immune cells as a pathway to immunosuppression. (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3005548/?tool=pubmed

Randomized controlled trial of Sativex to treat detrusor overactivity in multiple sclerosis. (abst – 2010)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=314

Meta-analysis of the efficacy and safety of Sativex (nabiximols), on spasticity in people with multiple sclerosis (abst - 2010)
http://msj.sagepub.com/cgi/content/abstract/16/6/707?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=0&sortspec=date&resourcetype=HWCIT
The endocannabinoid system in the inflammatory and neurodegenerative processes of multiple sclerosis and of amyotrophic lateral sclerosis. (abst - 2010)  

The Multiplicity of Action of Cannabinoids: Implications for Treating Neurodegeneration. (abst - 2010)  

Julie Falco brings hope to Multiple Sclerosis patients. Cannabinoids manage pain and promote repair! (news - 2010)  

Drugs that reduce activity of ABDH6 enzyme can prevent brain damage: Study (news – 2010)  

Nature's (Legal) Cannabinoids (news - 2010)  
http://www.mapinc.org/drugnews/v10/n126/a04.html?1194

Marijuana and MS--an unfinished story. (news - 2010)  
http://www.thefreelibrary.com/Marijuana+and+MS--an+unfinished+story.-a0237205183

Weed Control Part 1: MS sufferer finds relief with medical marijuana (anecdotal/news - 2010)  

Anandamide inhibits Theiler's virus induced VCAM-1 in brain endothelial cells and reduces leukocyte transmigration in a model of blood brain barrier by activation of CB1 receptors. (full – 2011)  
http://www.jneuroinflammation.com/content/pdf/1742-2094-8-102.pdf

CANNABIDIOL INHIBITS PATHOGENIC T-CELLS, DECREASES SPINAL MICROGLIAL ACTIVATION AND AMELIORATES MULTIPLE SCLEROSIS-LIKE DISEASE IN C57BL/6 MICE. (full – 2011)  

Gadolinium-HU-308-incorporated micelles. (full – 2011)  

Cannabinoid receptor signalling in neurodegenerative diseases: a potential role for membrane fluidity disturbance. (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165948/

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/
Identification of the synthetic cannabinoid R(+)WIN55,212-2 as a novel regulator of IFN regulatory factor 3 (IRF3) activation and IFN-β expression: relevance to therapeutic effects in models of multiple sclerosis. (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3060486/

Emerging treatment options for spasticity in multiple sclerosis; clinical utility of cannabinoids (link to PDF – 2011) http://www.dovepress.com/articles.php?article_id=7675

Acute and chronic cannabinoid extracts administration affects motor function in a CREAЕ model of multiple sclerosis. (abst – 2011)

Role of cannabinoids in multiple sclerosis (abst – 2011)

Inhibitory Effect of Standardized Cannabis sativa Extract and Its Ingredient Cannabidiol on Rat and Human Bladder Contractility. (abst – 2011)

A randomized, double-blind, placebo-controlled, parallel-group, enriched-design study of nabiximols® (Sativex®), as add-on therapy, in subjects with refractory spasticity caused by multiple sclerosis. (abst – 2011)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=322

Treating pain in multiple sclerosis. (abst – 2011)

THC and CBD oromucosal spray (Sativex®) in the management of spasticity associated with multiple sclerosis. (abst - 2011)
http://www.unboundmedicine.com/medline/ebm/record/21456949/abstract/THC_and_CBD_oromucosal_spray__Sativex%C2%AE__in_the_management_of_spasticity_associated_with_multiple_sclerosis_

New metabolic pathway for controlling brain inflammation (news – 2011)

The synthetic cannabinoid R(+)WIN55,212-2 augments interferon-β expression via peroxisome proliferator-activated receptor-α (full – 2012)
http://www.jbc.org/content/early/2012/05/31/jbc.M112.371757.full.pdf+html

Evaluation of the Effects of Sativex (THC BDS: CBD BDS) on Inhibition of Spasticity in a Chronic Relapsing Experimental Allergic Autoimmune Encephalomyelitis: A Model of Multiple Sclerosis. (full – 2012)

Smoked cannabis for spasticity in multiple sclerosis: a randomized, placebo-controlled trial. (full – 2012) http://www.cmaj.ca/content/184/10/1143.long
The Therapeutic Potential of Cannabis and Cannabinoids (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3442177/


Cannabinoid receptor 2 agonists inhibit migration of activated dendritic cells via modulation of MMP-9 (abst – 2012) http://www.jimmunol.org/cgi/content/meeting_abstract/188/1_MeetingAbstracts/173.23?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=130&sortspec=date&resourcetype=HWCIT


Treatment of spasticity in multiple sclerosis: new perspectives regarding the use of cannabinoids (abst – 2012)  

Cost Effectiveness of Oromucosal Cannabis-Based Medicine (Sativex®) for Spasticity in Multiple Sclerosis. (abst – 2012)  

Treatment of spasticity in multiple sclerosis: new perspectives regarding the use of cannabinoids (abst – 2012)  

CD200-CD200R1 interaction contributes to neuroprotective effects of anandamide on experimentally induced inflammation (abst – 2012)  

What place for cannabis extract in MS? (abst – 2012)  
http://dtb.bmj.com/content/50/12/141.abstract


A CB₁/CB₂ receptor agonist, WIN 55,212-2, exerts its therapeutic effect in a viral autoimmune model of multiple sclerosis by restoring self-tolerance to myelin. (abst – 2012)  

Smoked Cannabis Reduces Some Symptoms of Multiple Sclerosis (news – 2012)  

Marijuana Helps Ease MS Symptoms, Study Finds (news – 2012)  
http://www.healthline.com/health-blogs/study-roundup/marijuana-multiple-sclerosis-101112

Treatment failure of intrathecal baclofen and supra-additive effect of nabiximols in multiple sclerosis-related spasticity: a case report (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3625014/

Genetic Background Can Result in a Marked or Minimal Effect of Gene Knockout (GPR55 and CB2 Receptor) in Experimental Autoimmune Encephalomyelitis Models of Multiple Sclerosis. (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0076907

Effects on Immune Cells of a New 1,8-Naphthyridin-2-One Derivative and Its Analogues as Selective CB2 Agonists: Implications in Multiple Sclerosis (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0062511

Association between a Genetic Variant of Type-1 Cannabinoid Receptor and Inflammatory Neurodegeneration in Multiple Sclerosis (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3877004/


Research shows marijuana can be effectively used to treat multiple sclerosis (news – 2013) http://www.naturalnews.com/042498_marijuana_multiple_sclerosis_natural_treatment.html


MUSCLES/MUSCLE RELAXANT

Effects of Cannabinoids on Caffeine Contractures in Slow and Fast Skeletal Muscle Fibers of the Frog  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697372/?tool=pmcentrez

Reposition of a dislocated shoulder under use of cannabis.  (abst – 2009)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=408

Cannabinoid Receptor Antagonist-Induced Striated Muscle Toxicity and Ethylmalonic-Adipic Aciduria in Beagle Dogs  (full – 2012)  
http://toxsci.oxfordjournals.org/content/129/2/268.full

Hind limb suspension and long-chain omega-3 PUFA increase mRNA endocannabinoid system levels in skeletal muscle.  (abst – 2012)  

Endogenous cannabinoid receptor CB1 activation promotes vascular smooth muscle cell proliferation and neointima formation.  (full – 2013)  
http://www.jlr.org/content/early/2013/03/11/jlr.M035147.long

GPR55, a G-Protein Coupled Receptor for Lysophosphatidylinositol, Plays a Role in Motor Coordination.  (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0060314

Psychosis and Severe Rhabdomyolysis Associated with Synthetic Cannabinoid Use.  (abst – 2013)  

Motor effects of the non-psychotropic phytocannabinoid cannabidiol that are mediated by 5-HT1A receptors.  (abst – 2013)  

MUSCULAR DYSTROPHY/ MD *

Medical Marijuana use for Muscular Dystrophy  (news – 2009)  

Medical Marijuana and Muscular Dystrophy  (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/114?ailment=muscular-dystrophy

For some chronically ill patients, pot succeeds where painkillers fail  (news/ anecdotal - 2009)  
MYOCLOMUS DIAPHRAGMATIC FLUTTER

Teen says marijuana has been a lifesaver  (news – 2012)
http://www.gazette.com/articles/seizes-134241-chaz-teen.html

NABIXIMOLS  - see SATIVEX

NAIL-PATELLA SYNDROME

Nail Patella Syndrome-Cannabinoids Relieve Symptoms  (news – undated)
http://medicalmarijuana.com/medical-marijuana-treatments/NPS

Chronic Cannabis Use in the Compassionate Investigational New Drug Program:
An Examination of Benefits and Adverse Effects of Legal Clinical Cannabis


'Trying to ease my suffering’  (news – 2008)

Federal Rx: Marijuana  (news – 2011)

George McMahon  (news – 2013)  http://cannabisnationradio.com/george-mcmahon

NAUSEA *  - also see MORNING SICKNESS, MOTION SICKNESS, RADIATION-INDUCED NAUSEA

Cannabinoids for control of chemotherapy induced nausea and vomiting: quantitative systematic review  (full - 2001)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC34325/?tool=pmcentrez

Therapeutic Aspects of Cannabis and Cannabinoids  (full - 2001)

The cannabinoid agonist WIN55,212-2 suppresses opioid-induced emesis in ferrets. (full - 2001) http://journals.lww.com/anesthesiology/Fulltext/2001/05000/The_Cannabinoid_Agonist_WIN55,212_2_Suppresses.29.aspx


Delta9-tetrahydrocannabinol selectively acts on CB1 receptors in specific regions of dorsal vagal complex to inhibit emesis in ferrets. (full – 2003) http://ajpgi.physiology.org/content/285/3/G566.long

Cannabinoids suppress synaptic input to neurones of the rat dorsal motor nucleus of the vagus nerve (full – 2004) http://jp.physoc.org/content/559/3/923.full#sec-19


Delta-9-tetrahydrocannabinol and cannabidiol, but not ondansetron, interfere with conditioned retching reactions elicited by a lithium-paired context in Suncus murinus: An
animal model of anticipatory nausea and vomiting.  (abst – 2006)

Prevention of nausea and vomiting following breast surgery.  (abst – 2006)

The synthetic cannabinoid nabilone improves pain and symptom management in cancer patients  (abst - 2006)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=177

Experience with the Synthetic Cannabinoid Nabilone in Chronic Noncancer Pain  (abst – 2006)
http://onlinelibrary.wiley.com/doi/10.1111/j.1526-4637.2006.00085.x/abstract;jsessionid=E64762ABC5DA541547D051CCC8EE2DFC.d03t01


http://www.patentstorm.us/applications/20070049645/fulltext.html

Receptor mechanism and antiemetic activity of structurally-diverse cannabinoids against radiation-induced emesis in the least shrew.  (full - 2007)

THC improves appetite and reverses weight loss in AIDS patients  (abst - 2007)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=189


Efficacy of dronabinol alone and in combination with ondansetron versus ondansetron alone for delayed chemotherapy-induced nausea and vomiting.  (abst - 2007)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=191


Arvanil, anandamide and N-arachidonoyl-dopamine (NADA) inhibit emesis through cannabinoid CB1 and vanilloid TRPV1 receptors in the ferret.  (abst – 2007)

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects  (abst – 2008)  http://gut.bmj.com/content/57/8/1140.abstract
Endocannabinoids and the gastrointestinal tract: what are the key questions? (full - 2009) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190011/]

Medical Marijuana and Severe Nausea (news – 2009) [https://www.marijuanadoctors.com/content/ailments/view/99?ailment=severe-nausea]


Preliminary efficacy and safety of an oromucosal standardized cannabis extract in chemotherapy-induced nausea and vomiting (full - 2010) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2997305/pdf/bcp0070-0656.pdf]


Motion Sickness, Stress and the Endocannabinoid System (abst - 2010) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2873996/?tool=pmcentrez]


Medical Marijuana: Clearing Away the Smoke (full – 2012) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3358713/]

The Therapeutic Potential of Cannabis and Cannabinoids (full – 2012) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3442177/]


Cannabis as Painkiller (news – 2012)  [http://www.sciencedaily.com/releases/2012/08/120807101232.htm](http://www.sciencedaily.com/releases/2012/08/120807101232.htm)

Additive antiemetic efficacy of Δ9-THC with vanilloid TRPV1 receptor agonists in the least shrew (Cryptotis parva) (abst - 2013)  [http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1093.20?sid=eea722c0-971c-4daa-8b8c-38c0e63c19ad](http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1093.20?sid=eea722c0-971c-4daa-8b8c-38c0e63c19ad)


Suppression of lithium chloride-induced conditioned gaping (a model of nausea-induced behaviour) in rats (using the taste reactivity test) with metoclopramide is enhanced by cannabidiolic acid.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24012649


**NEOINTIMA** – a thickening of arterial walls


Cannabinoid receptor CB2 protects against balloon-induced neointima formation.  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3774259/

Endogenous cannabinoid receptor CB1 activation promotes vascular smooth muscle cell proliferation and neointima formation.  (full – 2013)  http://www.jlr.org/content/early/2013/03/11/jlr.M035147.long


**NEURONS/ BRAIN CELLS** *


Neuroprotective Antioxidants from Marijuana  (abst – 2000)  

Cannabinoids protect astrocytes from ceramide-induced apoptosis through the phosphatidylinositol 3-kinase/protein kinase B pathway.  (full - 2002)  
http://www.ibc.org/content/277/39/36527.long

Endocannabinoids in the central nervous system--an overview.  (abst - 2002)  

The endocannabinoid system: function in survival of the embryo, the newborn and the neuron.  (abst - 2002)  

Cannabinoids and cell fate.  (abst – 2002)  

Neurors on cannabinoids: dead or alive?  (full - 2003)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1574056/?tool=pmcentrez

Role of Endogenous Cannabinoids in Synaptic Signaling  (full - 2003)  
http://physrev.physiology.org/cgi/content/full/83/3/1017?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&resourcetype=HWCIT

Cannabinoid receptor type 1 modulates excitatory and inhibitory neurotransmission in mouse colon  (full – 2003)  
http://ajpgi.physiology.org/content/286/1/G110.full?sid=fc6948f0-78cf-405c-981b-afaa05ee417c

Cannabis and the brain.  (full - 2003)  
http://brain.oxfordjournals.org/cgi/content/full/126/6/1252

Cannabinoid receptor type 1 modulates excitatory and inhibitory neurotransmission in mouse colon  (full – 2003)  
http://ajpgi.physiology.org/content/286/1/G110.full?sid=fc6948f0-78cf-405c-981b-afaa05ee417c

Post-ischemic Treatment with Cannabidiol Prevents Electroencephalographic Flattening, Hyperlocomotion and Neuronal Injury in Gerbils.  (abst – 2003)  

Cannabinoid Modulation of Peripheral Autonomic and Sensory Neurotransmission.  
(abst - 2003)  

Cannabinoids and neuroinflammation  (full - 2004)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1574256/?tool=pmcentrez

Defective adult neurogenesis in CB1 cannabinoid receptor knockout mice.  (full - 2004)  
http://molpharm.aspetjournals.org/content/66/2/204.long

TRPV1 and CB(1) receptor-mediated effects of the endovanilloid/endocannabinoid N-arachidonoyl-dopamine on primary afferent fibre and spinal cord neuronal responses in the rat.  (abst – 2004)  

Marijuana-Like Chemicals in the Brain Calm Neurons  (news/ forum repost - 2004)  
Cannabinoids promote embryonic and adult hippocampus neurogenesis and produce anxiolytic- and antidepressant-like effects  
(http://www.jci.org/cgi/content/full/115/11/3104)

Identification and functional characterization of brainstem cannabinoid CB2 receptors.  
(full - 2005)  (needs free registration)  
(http://www.sciencemag.org/content/310/5746/329.full)

The endocannabinoid system drives neural progenitor proliferation.  
(full – 2005)  
(http://www.fasebj.org/content/early/2005/09/30/fj.05-3995fje.long)

Sex differences in the cannabinoid modulation of an A-type K+ current in neurons of the mammalian hypothalamus.  
(full – 2005)  
(http://jn.physiology.org/content/94/4/2983.long)

High-dose cannabis stimulates growth of brain cells in rats  
(news – 2005)  

Marijuana Promotes Neuron Growth  
(news - 2005)  
(http://english.ohmynews.com/articleview/article_view.asp?menu=c10400&no=253377&rel_no=1)

Good News For The Medical Marijuana Movement: Pot Proliferates Brain Cells And Boosts Mood  
(news - 2005)  
(http://www.sciencedaily.com/releases/2005/10/051014073523.htm)

Marijuana May Grow Neurons in the Brain  
(news - 2005)  
(http://www.medpagetoday.com/Psychiatry/AnxietyStress/1934)

Marijuana might cause new cell growth in the brain  
(news - 2005)  
(may need registration)  

Non-psychoactive CB2 cannabinoid agonists stimulate neural progenitor proliferation  
(full - 2006)  
(http://www.fasebj.org/cgi/content/full/20/13/2405?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HW\nCIT)

Differential effect of cannabinoid agonists and endocannabinoids on histamine release from distinct regions of the rat brain.  
(full – 2006)  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1769340/?tool=pubmed)

Differential effects of cannabis extracts and pure plant cannabinoids on hippocampal neurones and glia.  
(abst - 2006)  

Neuromodulatory functions of the endocannabinoid system.  
(abst – 2006)  
(http://www.ncbi.nlm.nih.gov/pubmed/16751707)

The synthetic cannabinoid HU210 induces spatial memory deficits and suppresses hippocampal firing rate in rats  (full – 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2013991/

STUDIES OF ANANDAMIDE ACCUMULATION INHIBITORS IN CEREBELLAR GRANULE NEURONS  (full – 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2248273/


The CB2 Cannabinoid Receptor Controls Myeloid Progenitor Trafficking: INVOLVEMENT IN THE PATHOGENESIS OF AN ANIMAL MODEL OF MULTIPLE SCLEROSIS  (full – 2008)  http://www.jbc.org/content/283/19/13320.full?sid=a5db9&db-ff96-4187-8790-57097bbe15c1#sec-3


N-arachidonoyl L-serine, a putative endocannabinoid, alters the activation of N-type Ca2+ channels in sympathetic neurons.  (full – 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2652135/


New neuron production can be increased in the hippocampus of aged rats following cannabinoid treatment  (abst – 2008)  http://www.ncbi.nlm.nih.gov/pubmed/18197164


Cannabinoid agonist WIN-55,212-2 partially restores neurogenesis in the aged rat brain  (full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3011092/?tool=pubmed
Endocannabinoid-mediated control of synaptic transmission.  (full – 2009)  
http://physrev.physiology.org/content/89/1/309.long

Deficit in prepulse inhibition in mice caused by dietary n-3 fatty acid deficiency.  (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2852869/

Type 1 Cannabinoid Receptor-Containing Axons Innervate Hypophysiotropic Thyrotropin-Releasing Hormone-Synthesizing Neurons  (full – 2009)  
http://endo.endojournals.org/content/150/1/98.full?sid=f5b14012-9fbe-4f10-890c-386313060cf8

Cannabinoids attenuate the effects of aging upon neuroinflammation and neurogenesis.  (abst – 2009)  

Endocannabinoid signaling in neurotoxicity and neuroprotection.  (abst - 2009)  

Effects of cannabidiol on amphetamine-induced oxidative stress generation in an animal model of mania  (abst – 2009)  
http://jop.sagepub.com/content/25/2/274.abstract

Oleylethanolamide exerts partial and dose-dependent neuroprotection of substantia nigra dopamine neurons.  (abst – 2009)  

Cannabinoid receptors in brain: pharmacogenetics, neuropharmacology, neurotoxicology, and potential therapeutic applications.  (abst - 2009)  

Cyclooxygenase-2 Mediates Anandamide Metabolism in the Mouse Brain  (full – 2010)  
http://jpet.aspetjournals.org/content/335/2/380.full?sid=af53ea87-ab4b-426e-9c7e-8f750e9c4a17

Cannabinoids Excite Circadian Clock Neurons  (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2927117/?tool=pmcentrez

Cannabinoid receptor CB1 mediates baseline and activity-induced survival of new neurons in adult hippocampal neurogenesis  (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2898685/?tool=pmcentrez

Delta9-tetrahydrocannabinol is a full agonist at CB1 receptors on GABA neuron axon terminals in the hippocampus.  (full – 2010)  

AAV vector-mediated overexpression of CB1 cannabinoid receptor in pyramidal neurons of the hippocampus protects against seizure-induced excitotoxicity.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3006205/?tool=pubmed

Sex difference in cell proliferation in developing rat amygdala mediated by endocannabinoids has implications for social behavior.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2996668/?tool=pubmed
CB1 cannabinoid receptors increase neuronal precursor proliferation through AKT/glycogen synthase kinase-3beta/beta-catenin signaling. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2843172/?tool=pubmed

Cannabidiol protects retinal neurons by preserving glutamine synthetase activity in diabetes. (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2925907/?tool=pubmed

Regulatory Role of Cannabinoid Receptor 1 in Stress-Induced Excitotoxicity and Neuroinflammation (full - 2010) http://www.nature.com/npp/journal/vaop/ncurrent/full/npp2010214a.html


PP-014 Control of receptor expression in vagal afferent neurons by activation of cannabinoid 1 receptors (abst - 2010) http://gut.bmj.com/cgi/content/meeting_abstract/59/1_MeetingAbstracts/A45-a?sid=0731f0e5-2071-4549-be57-57f444307138

Protective effects of the synthetic cannabinoids CP55,940 and JWH-015 on rat brain mitochondria upon paraquat exposure. (abst – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC20514518

Cannabidiol Reduces Aβ-Induced Neuroinflammation and Promotes Hippocampal Neurogenesis through PPARγ Involvement (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3230631/?tool=pubmed

A synaptogenic amide N-docosahexaenoylethanolamide promotes hippocampal development (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3215906/

A catalytically silent FAAH-1 variant drives anandamide transport in neurons. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3245783/

Sex difference in cell proliferation in developing rat amygdala mediated by endocannabinoids has implications for social behavior (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2996668/?tool=pubmed

Dual inhibition of alpha/beta hydrolase domain 6 and fatty acid amide hydrolase increases endocannabinoid levels in neurons. (full – 2011) http://www.jbc.org/content/early/2011/06/10/jbc.M110.202853.long
CNS effects of CB2 cannabinoid receptors: beyond neuro-immuno-cannabinoid activity (full – 2011)  http://jop.sagepub.com/content/26/1/92.full

Activation of cannabinoid type 2 receptors inhibits HIV-1 envelope glycoprotein gp120-induced synapse loss.  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3164336/

Cannabinoid receptor agonist protects cultured dopaminergic neurons from the death by the proteasomal dysfunction.  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3145842/?tool=pubmed

CB2 Cannabinoid Receptors Promote Neural Progenitor Cell Proliferation via mTORC1 Signaling  (full – 2011)  http://www.jbc.org/content/287/2/1198.full

History of cannabis use is not associated with alterations in striatal dopamine D2/D3 receptor availability.  (full – 2011)  http://jop.sagepub.com/content/26/1/144.long

Cannabinoid Receptor Type 1 Protects Nigrostriatal Dopaminergic Neurons against MPTP Neurotoxicity by Inhibiting Microglial Activation.  (full – 2011)  http://www.jimmunol.org/content/187/12/6508.full?sid=c342dd2-7ad0-42e4-a862-845dc670f7cf


α-Tocopherol and α-tocopheryl phosphate interact with the cannabinoid system in the rodent hippocampus.  (abst - 2011)  http://www.ncbi.nlm.nih.gov/pubmed/21843633


Δ(9)-THC and WIN55,212-2 affect brain tissue levels of excitatory amino acids in a phenotype-, compound-, dose-, and region-specific manner (abst – 2011) http://www.unboundmedicine.com/medline/ebm/record/21645556/abstract/%CE%94_9__THC_and_WIN55_212_2_affect_brain_tissue_levels_of_excitatory_amino_acids_in_a_phenotype__compound__dose__and_region_specific_manner


Endocannabinoids in nervous system health and disease: the big picture in a nutshell (full – 2012) http://rstb.royalsocietypublishing.org/content/367/1607/3193.long

Role of CB1 cannabinoid receptors on GABAergic neurons in brain aging (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3131310/?tool=pubmed


Cortisol-mediated adhesion of synovial fibroblasts is dependent on the degradation of anandamide and activation of the endocannabinoid system (full - 2012) http://onlinelibrary.wiley.com/doi/10.1002/art.37684/pdf

Synaptic Targets of Δ9-Tetrahydrocannabinol in the Central Nervous System. (full – 2012) http://perspectivesinmedicine.cshlp.org/content/early/2012/12/03/cshperspect.a012237.long

Endocannabinoids and the processing of value-related signals. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3270484/?tool=pubmed


Palmitoylethanolamide exerts neuroprotective effects in mixed neuroglial cultures and organotypic hippocampal slices via peroxisome proliferator-activated receptor-α. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3315437/?tool=pubmed

Review article: The endocannabinoid system in normal and pathological brain ageing (full – 2012) http://rstb.royalsocietypublishing.org/content/367/1607/3326.full?sid=161e7b36-5055-448b-962e-697c782e901d
Intrinsic Up-Regulation of 2-AG Favors an Area Specific Neuronal Survival in Different In Vitro Models of Neuronal Damage.  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3527460/

Long-lasting potentiation of hippocampal synaptic transmission by direct cortical input is mediated via endocannabinoids  
http://jp.physoc.org/content/590/10/2305.full

A cell population that strongly expresses the CB1 cannabinoid receptor in the ependyma of the rat spinal cord  
http://www.biomedexperts.com/Abstract.bme/22791629/A_cell_population_that_strongly_expresses_the_CB1_cannabinoid_receptor_in_the_ependyma_of_the_rat_spinal_cord

Mitochondrial CB(1) receptors regulate neuronal energy metabolism.  

Effects of cannabinoids Δ(9)-tetrahydrocannabinol, Δ(9)-tetrahydrocannabinolic acid and cannabidiol in MPP(+) affected murine mesencephalic cultures.  

Cannabinoid modulation of midbrain urocortin 1 neurones during acute and chronic stress.  

Excitability of prefrontal cortical pyramidal neurons is modulated by activation of 98 intracellular type-2 cannabinoid receptors.  

Manipulating brain connectivity with δ(9)-tetrahydrocannabinol: A pharmacological resting state FMRI study.  

The CB(2)-preferring agonist JWH015 also potently and efficaciously activates CB(1) in autaptic hippocampal neurons.  

Cannabinoid CB(1) receptor in the modulation of stress coping behaviour in mice: the role of serotonin and different forebrain neuronal subpopulations.  

The CB1 Cannabinoid Receptor Drives Corticospinal Motor Neuron Differentiation through the Ctip2/Satb2 Transcriptional Regulation Axis.  

Functional diversity on synaptic plasticity mediated by endocannabinoids  

Multiple functions of endocannabinoid signaling in the brain.  

The role of endocannabinoids in pain modulation.  
Type-1 (CB(1)) Cannabinoid Receptor Promotes Neuronal Differentiation and Maturation of Neural Stem Cells. (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0054271

Orexin neurons use endocannabinoids to break obesity-induced inhibition (full – 2013) http://www.pnas.org/content/110/24/9625.full

Signaling Pathways Involved in Striatal Synaptic Plasticity are Sensitive to Temporal Pattern and Exhibit Spatial Specificity. (full – 2013) http://www.ploscompbiol.org/article/info%3Adoi%2F10.1371%2Fjournal.pcbi.1002953


Activation of Type 1 Cannabinoid Receptor (CB1R) Promotes Neurogenesis in Murine Subventricular Zone Cell Cultures (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0063529

HINT1 protein cooperates with cannabinoid 1 receptor to negatively regulate glutamate NMDA receptor activity (full – 2013) http://www.molecularbrain.com/content/6/1/42

Obesity-driven synaptic remodeling affects endocannabinoid control of orexinergic neurons (full – 2013) http://www.pnas.org/content/110/24/E2229.full

Cannabinoid- and lysophosphatidylinositol-sensitive receptor GPR55 boosts neurotransmitter release at central synapses. (full – 2013) http://www.pnas.org/content/early/2013/03/06/1211204110.full.pdf+html


CB2 Receptor Agonists Protect Human Dopaminergic Neurons against Damage from HIV-1 gp120. (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0077577


2-AG into the lateral hypothalamus increases REM sleep and cFos expression in melanin concentrating hormone neurons in rats. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23603032


OPTOGENETIC IDENTIFICATION OF AN INTRINSIC CHOLINERGICALLY-DRIVEN INHIBITORY OSCILLATOR SENSITIVE TO CANNABINOIDS AND OPIOIDS IN HIPPOCAMPAL CA1 (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/24190932


Δ(9)-THC and N-arachidonoyl glycine regulate BV-2 microglial morphology and cytokine release plasticity: implications for signaling at GPR18. (full - 2014) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3877838/


Trans-Caryophyllene Suppresses Hypoxia-Induced Neuroinflammatory Responses by Inhibiting NF-κB Activation in Microglia. (abst – 2014) http://www.ncbi.nlm.nih.gov/pubmed/24488604

**NEUROPATHIC PAIN**


The potent emetogenic effects of the endocannabinoid, 2-AG (2-arachidonoylglycerol) are blocked by delta(9)-tetrahydrocannabinol and other cannabinoids. (full – 2002) http://jpet.aspetjournals.org/content/300/1/34.long


Activation of CB2 cannabinoid receptors by AM1241 inhibits experimental neuropathic pain: Pain inhibition by receptors not present in the CNS (full - 2003) http://www.pnas.org/content/100/18/10529.full
Analgesic effect of the synthetic cannabinoid CT-3 on chronic neuropathic pain: a randomized controlled trial.  (full - 2003)
http://jama.ama-assn.org/cgi/content/full/290/13/1757?ijkey=b86f3fe6d2018d53522ffca8e365fc2f7aaf2fb

Randomised controlled trial of cannabis based medicinal extracts (CBME) in central neuropathic pain due to multiple sclerosis.  (abst - 2003)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=82

The effects of smoked cannabis in painful peripheral neuropathy and cancer pain refractory to opioids.  (abst - 2003)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=96


Initial experiences with medicinal extracts of cannabis for chronic pain: Results from 34 ‘N of 1’ studies  (full - 2004)
http://www.ukcia.org/research/InitialExperiencesChronicPain.pdf

Efficacy of two cannabis based medicinal extracts for relief of central neuropathic pain from brachial plexus avulsion: results of a randomised controlled trial  (full - 2004)
http://www.ukcia.org/research/CentralNeuropathicPainEfficacy.pdf

Are oral cannabinoids safe and effective in refractory neuropathic pain?  (abst - 2004)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=143

Marijuana-like compounds may aid array of debilitating conditions ranging from Parkinson’s to pain  (news – 2004)

Ajulemic acid (IP-751): Synthesis, proof of principle, toxicity studies, and clinical trials  (full - 2005)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2751505/?tool=pubmed

Smoked cannabis therapy for HIV-related painful peripheral neuropathy: results of a randomized, placebo-controlled clinical trial.  (abst - 2005)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=172

Randomized, controlled trial of cannabis-based medicine in central pain in multiple sclerosis  (abst - 2005)
http://www.neurology.org/cgi/content/abstract/65/6/812?etoc

Effects of a Cannabinoid Agonist on Spinal Nociceptive Neurons in a Rodent Model of Neuropathic Pain  (full - 2006)
http://jn.physiology.org/cgi/content/full/96/6/2984

Actions of the FAAH inhibitor URB597 in neuropathic and inflammatory chronic pain models  (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1751298/?tool=pmcentrez

Cannabinoids In Medicine: A Review Of Their Therapeutic Potential  (full – 2006)
Antihyperalgesic effects of local injections of anandamide, ibuprofen, rofecoxib and their combinations in a model of neuropathic pain. (abst – 2006)


In MedPanel Summit, Leading Pain Experts Name Cannabinoids Among Most Promising Approaches to Treating Neuropathic Pain, Assert That Sociopolitical Climate Will Hamper Drug Approvals (news - 2006)

Endocannabinoid metabolism and uptake: novel targets for neuropathic and inflammatory pain (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190014/?tool=pubmed

The fatty acid amide hydrolase inhibitor URB597 (cyclohexylcarbamic acid 3’-carbamoylbiphenyl-3-yl ester) reduces neuropathic pain after oral administration in mice. (full - 2007) http://jpet.aspetjournals.org/content/322/1/236.long

Cannabinoid CB2 receptors: a therapeutic target for the treatment of inflammatory and neuropathic pain (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219541/?tool=pmcentrez


The local antinociceptive effects of paracetamol in neuropathic pain are mediated by cannabinoid receptors (abst – 2007) http://www.sciencedirect.com/science/article/pii/S0014299907007935
Study Supports Medical Marijuana Use    (news - 2007)  
http://www.drugfree.org/join-together/drugs/study-supports-medical

Smoked Cannabis Reduces Foot Pain Associated With HIV In Placebo Trial      (news - 2007)  

Marijuana gives relief from chronic pain for AIDS sufferers    (news - 2007)  

Cannabis may be safe and effective for HIV-related neuropathic pain    (news - 2007)  

Smoked Cannabis Proven Effective In Treating Neuropathic Pain    (news - 2007)  

Selective Activation of Cannabinoid CB2 Receptors Suppresses Neuropathic Nociception Induced by Treatment with the Chemotherapeutic Agent Paclitaxel in Rats    (full - 2008)  
http://jpet.aspetjournals.org/content/327/2/584.full#content-block

Crucial Role of CB2 Cannabinoid Receptor in the Regulation of Central Immune Responses during Neuropathic Pain    (full - 2008)  
http://www.jneurosci.org/cgi/content/full/28/46/12125

MDA7: a novel selective agonist for CB2 receptors that prevents allodynia in rat neuropathic pain models.    (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2597252/

Double Blind, Placebo Controlled Trial of Smoked Marijuana on Neuropathic Pain    (full - 2008)  

Comparison of analgesic effects and patient tolerability of nabilone and dihydrocodeine for chronic neuropathic pain: randomised, crossover, double blind study.    (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2213874/?tool=pubmed

Design and synthesis of a novel series of N-alkyl isatin acylhydrazone derivatives that act as selective cannabinoid receptor 2 agonists for the treatment of neuropathic pain.    (abst – 2008)  

Involvement of central cannabinoid CB2 receptor in reducing mechanical allodynia in a mouse model of neuropathic pain    (abst – 2008)  

Differential effects of repeated low dose treatment with the cannabinoid agonist WIN 55,212-2 in experimental models of bone cancer pain and neuropathic pain.    (abst - 2008)  


Sustained antinociceptive effect of cannabinoid receptor agonist WIN 55,212-2 over time in rat model of neuropathic spinal cord injury pain (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2743245/?tool=pmcentrez

Neuropathic Pain and Endocannabinoid-Degradation Blockade (full – 2009) http://jpet.aspetjournals.org/content/330/3/669.1.full?sid=af53ea87-ab4b-426e-9c7e-8f750e9c4a17

Blockade of endocannabinoid-degrading enzymes attenuates neuropathic pain. (full - 2009) http://jpet.aspetjournals.org/content/330/3/902.full?sid=af53ea87-ab4b-426e-9c7e-8f750e9c4a17

Minocycline treatment inhibits microglial activation and alters spinal levels of endocannabinoids in a rat model of neuropathic pain (full – 2009) http://www.molecularpain.com/content/5/1/35

Cannabinoids as pharmacotherapies for neuropathic pain: from the bench to the bedside. (full – 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2755639/


Medical Marijuana and Peripheral Neuropathy  
https://www.marijuanadoctors.com/content/ailments/view/116?ailment=peripheral-neuropathy

Cannabinoid-mediated modulation of neuropathic pain and microglial accumulation in a model of murine type I diabetic peripheral neuropathic pain  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2845559/?tool=pmcentrez

R-Flurbiprofen Reduces Neuropathic Pain in Rodents by Restoring Endogenous Cannabinoids  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2869361/

Pharmacological Treatment of Painful HIV-Associated Sensory Neuropathy: A Systematic Review and Meta-Analysis of Randomised Controlled Trials  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3010990/?tool=pmcentrez

Smoked cannabis for chronic neuropathic pain: a randomized controlled trial  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2950205/?tool=pmcentrez

Pharmacological characterization of a novel cannabinoid ligand, MDA19, for treatment of neuropathic pain.  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3253719/

AMELIORATIVE POTENTIAL OF CANNABIS SATIVA EXTRACT ON DIABETES INDUCED NEUROPATHIC PAIN IN RATS  

Misdiagnosed chronic pelvic pain: pudendal neuralgia responding to a novel use of palmitoylethanolamide.  

An Open-Label Comparison of Nabilone and Gabapentin as Adjuvant Therapy or Monotherapy in the Management of Neuropathic Pain in Patients with Peripheral Neuropathy.  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=311

http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=313

Cannabinoid subtype-2 receptors modulate the antihyperalgesic effect of WIN 55,212-2 in rats with neuropathic spinal cord injury pain.  

Study Claims Cannabis Reduces Chronic Pain  

Study: Smoking pot may ease chronic pain  

Cannabinoids inhibit and may prevent neuropathic pain in diabetes.  
Study: Smoking pot may ease chronic pain (news - 2010)

Brief Report: Cannabidiol Prevents the Development of Cold and Mechanical Allodynia in Paclitaxel-Treated Female C57Bl6 Mice. (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3249239/

Cannabinoid Agonists Inhibit Neuropathic Pain Induced by Brachial Plexus Avulsion in Mice by Affecting Glial Cells and MAP Kinases. (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3172222/?tool=pubmed


Mutations in ABHD12 cause the neurodegenerative disease PHARC: An inborn error of endocannabinoid metabolism. (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2933347/?tool=pubmed


CBD: Marijuana Compound Has No High, But Relieves Pain (news – 2011)

Marijuana component may ease pain from chemo therapy drugs (news – 2011)
http://www.jpost.com/Health/Article.aspx?id=241299

Cannabidiol may help prevent paclitaxel-induced peripheral neuropathy (news – 2011)

Prescribing Cannabis for Harm Reduction. (full – 2012)
http://www.harmreductionjournal.com/content/pdf/1477-7517-9-1.pdf
The maintenance of cisplatin- and paclitaxel-induced mechanical and cold allodynia is suppressed by cannabinoid CB2 receptor activation and independent of CXCR4 signaling in models of chemotherapy-induced peripheral neuropathy (full – 2012) http://www.molecularpain.com/content/8/1/71


Endocannabinoids in nervous system health and disease: the big picture in a nutshell (full – 2012) http://rstb.royalsocietypublishing.org/content/367/1607/3193.full

Dynamic changes to the endocannabinoid system in models of chronic pain (full – 2012) http://rstb.royalsocietypublishing.org/content/367/1607/3300.full?sid=1569c370-cd5c-4358-89ff-857201f5e069

Prevention of Paclitaxel-Induced Neuropathy Through Activation of the Central Cannabinoid Type 2 Receptor System (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3334436/

The Novel Reversible Fatty Acid Amide Hydrolase Inhibitor ST4070 Increases Endocannabinoid Brain Levels and Counteracts Neuropathic Pain in Different Animal Models (full – 2012) http://jpet.aspetjournals.org/content/342/1/188.full.pdf+html


A Randomized, Double-Blind, Placebo Controlled, Parallel Assignment, Flexible Dose, Efficacy Study of Nabilone as Adjuvant in the Treatment of Diabetic Peripheral Neuropathic Pain Using an Enriched Enrollment Randomized Withdrawal Design (S38.003) (abst – 2012)  
http://www.neurology.org/cgi/content/meeting_abstract/78/1_MeetingAbstracts/S38.003?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=180&sortspec=date&resourcetype=HWCIT

An enriched-enrolment, randomized withdrawal, flexible-dose, double-blind, placebo-controlled, parallel assignment efficacy study of nabilone as adjuvant in the treatment of diabetic peripheral neuropathic pain. (abst – 2012)  

Alterations in endocannabinoid tone following chemotherapy-induced peripheral neuropathy: effects of endocannabinoid deactivation inhibitors targeting fatty-acid amide hydrolase and monoacylglycerol lipase in comparison to reference analgesics following cisplatin treatment. (abst – 2012)  

Peripheral antinociceptive effect of anandamide and drugs that affect the endocannabinoid system on the formalin test in normal and streptozotocin-diabetic rats. (abst – 2012)  


The therapeutic potential of cannabis and cannabinoids. (abst – 2012)  

Palmitoylethanolamide is a new possible pharmacological treatment for the inflammation associated with trauma. (abst – 2012)  

Low-Dose Vaporized Cannabis Significantly Improves Neuropathic Pain. (abst – 2012)  

California pot research backs therapeutic claims (news – 2012)  
http://www.sacbee.com/2012/07/12/4625608/california-pot-research-backs.html

Cannabis as Painkiller (news – 2012)  
http://www.sciencedaily.com/releases/2012/08/120807101232.htm

Study: Synthetic THC Analogue Mitigates Diabetic Neuropathy, Is ‘Well Tolerated’ In Patients (news – 2012)  
New drug offers novel pain management therapy for diabetics. (news - 2012)
http://www.thefreelibrary.com/New+drug+offers+novel+pain+management+therapy+for+diabetics.-a0306899453

Synthetic cannabinoid could treat pain in diabetes patients (news – 2012)

Drug offers new pain management therapy for diabetics (news – 2012)

The role of endocannabinoids in pain modulation. (full – 2013)

The Major Brain Endocannabinoid 2-AG Controls Neuropathic Pain and Mechanical Hyperalgesia in Patients with Neuromyelitis Optica. (full – 2013)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0071500


Full Inhibition of Spinal FAAH Leads to TRPV1-Mediated Analgesic Effects in Neuropathic Rats and Possible Lipoxygenase-Mediated Remodeling of Anandamide Metabolism (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0060040

The cannabinoid CB2 receptor-selective phytocannabinoid beta-caryophyllene exerts analgesic effects in mouse models of inflammatory and neuropathic pain (full – 2013) http://www.europeanneuropsychopharmacology.com/article/S0924-977X(13)00302-7/fulltext

Non-Neuronal Cell Modulation Relieves Neuropathic Pain: Efficacy of the Endogenous Lipid Palmitoylethanolamide (link to PDF – 2013)
http://www.eurekaselect.com/107974/article

Palmitoylethanolamide Reduces Formalin-Induced Neuropathic-Like Behaviour Through Spinal Glial/Microglial Phenotypical Changes in Mice (link to PDF – 2013) http://www.eurekaselect.com/107975/article

Different Classes of CB2 Ligands Potentially Useful in the Treatment of Pain (link to PDF – 2013) http://www.eurekaselect.com/108399/article

Medicinal Cannabis and Painful Sensory Neuropathy (editorial – 2013)
http://virtualmentor.ama-assn.org/2013/05/oped1-1305.html


Palmitoylethanolamide is a New Possible Pharmacological Treatment for the Inflammation Associated with Trauma  (abst – 2013)  http://www.eurekaselect.com/106175/article


Cannabidiol inhibits paclitaxel-induced neuropathic pain through 5-HT1A receptors without diminishing nervous system function or chemotherapy efficacy.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24117398

Endocannabinoids decrease neuropathic pain-related behavior in mice through the activation of one or both peripheral CB1 and CB2 receptors.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24148808


**NEUROPROTECTANT** *

Marijuana Protects Your Brain  (news - undated)  http://www.roninpub.com/art-mjbrain.html

The use of cannabinoids in MS: is it evidence based?  (abst - undated)  http://www.ukcia.org/research/UseOfCannabinoidsInMSEvidenceBased.pdf
Neuroprotective Antioxidants from Marijuana  (abst – 2000)  

Neuroprotection by Delta 9-Tetrahydrocannabinol, the Main Active Compound in Marijuana, against Ouabain-Induced In Vivo Excitotoxicity  (full - 2001)  
http://www.jneurosci.org/content/21/17/6475.full

The cannabinoids: an overview. Therapeutic implications in vomiting and nausea after cancer chemotherapy, in appetite promotion, in multiple sclerosis and in neuroprotection.  (abst - 2001)  

Control of the cell survival/death decision by cannabinoids.  (abst – 2001)  

Cannabinoids and Brain Injury: Therapeutic Implications  (full - 2002)  
http://www.ukcia.org/research/CannabinoidsAndBrainInjury.pdf

Characterization of the diarylether sulfonylester (-)-(R)-3-(2-hydroxymethylindanyl-4-oxy)phenyl-4,4,4-trifluoro-1-sulfonate (BAY 38-7271) as a potent cannabinoid receptor agonist with neuroprotective properties.  (full – 2002)  
http://jpet.aspetjournals.org/content/302/1/359.long

Cannabinoids protect astrocytes from ceramide-induced apoptosis through the phosphatidylinositol 3-kinase/protein kinase B pathway.  (full - 2002)  
http://www.jbc.org/content/277/39/36527.long

The endocannabinoid system: function in survival of the embryo, the newborn and the neuron.  (abst - 2002)  

Cannabinoids and cell fate.  (abst – 2002)  

Neurons on Cannabinoids: Dead or Alive?  (full - 2003)  
http://www.ukcia.org/research/NeuronsDeadOrAlive.pdf

Neuroprotective Effect of (−)Δ9-Tetrahydrocannabinol and Cannabidiol in N-Methyl-d-Aspartate-Induced Retinal Neurotoxicity  (full – 2003)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1892413/?tool=pubmed


Cardiovascular Effects of Cannabis  (news - 2003)  
http://www.idmu.co.uk/cannocardio.htm

Neuroprotective effect of cannabidiol, a non-psychoactive component from Cannabis sativa, on β-amyloid-induced toxicity in PC12 cells  (full - 2004)
Cannabinoids As Neuroprotective Agents in Traumatic Brain Injury.  (abst - 2004)

Marijuana-like compounds may aid array of debilitating conditions ranging from Parkinson's to pain  (news – 2004)

Protective effects of Δ9-tetrahydrocannabinol against N-methyl-D-aspartate-induced AF5 cell death  (full - 2005)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1824211/?tool=pmcentrez


Cannabinoids provide neuroprotection against 6-hydroxydopamine toxicity in vivo and in vitro: relevance to Parkinson's disease.  (abst - 2005)

Cannabinoid-receptor 1 null mice are susceptible to neurofilament damage and caspase 3 activation.  (abst – 2005)  http://www.ncbi.nlm.nih.gov/pubmed/15953683

Marijuana might cause new cell growth in the brain  (news – 2005) (may need registration)  http://www.newscientist.com/article/dn8155

Experimental autoimmune encephalomyelitis disrupts endocannabinoid-mediated neuroprotection  (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1458883/?tool=pmcentrez

The Cannabinoid CB2 Receptor as a Target for Inflammation-Dependent Neurodegeneration  (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2435344/?tool=pmcentrez


The endocannabinoid anandamide protects neurons during CNS inflammation by induction of MKP-1 in microglial cells.  (abst – 2006)
www.ncbi.nlm.nih.gov/pubmed/16387640


Opposing control of cannabinoid receptor stimulation on amyloid-beta-induced reactive gliosis: in vitro and in vivo evidence.  (full - 2007)
http://jpet.aspetjournals.org/content/322/3/1144.long
Increases in expression of 14-3-3 eta and 14-3-3 zeta transcripts during neuroprotection induced by Delta(9)-tetrahydrocannabinol in AF5 cells  (full - 2007)  

The endocannabinoid system in targeting inflammatory neurodegenerative diseases  (full - 2007)  
http://www.academia.edu/5172933/The_endocannabinoid_system_in_targeting_inflammatory_neurodegenerative_diseases

Evaluation of the neuroprotective effect of cannabinoids in a rat model of Parkinson's disease: importance of antioxidant and cannabinoid receptor-independent properties.  (abst - 2007)  

The endocannabinoid system and neurogenesis in health and disease.  (abst - 2007)  

Delta(9)-Tetrahydrocannabinol protects hippocampal neurons from excitotoxicity  (abst - 2007)  
http://www.unboundmedicine.com/medline/ebm/record/17140550/abstract/Delta_9__Tetrahydrocannabinol__protects_hippocampal_neurons_from_excitotoxicity

Cannabinoid CB1 receptor stimulation affords neuroprotection in MPTP-induced neurotoxicity by attenuating S100B up-regulation in vitro.  (abst – 2007)  

Delta(9)-tetrahydrocannabinol (Delta(9)-THC) prevents cerebral infarction via hypothalamic-independent hypothermia.  (abst - 2007)  
http://www.unboundmedicine.com/medline/ebm/record/17289082/abstract/Delta_9__tetrahydrocannabinol__Delta_9__THC__prevents_cerebral_infarction_via_hypothalamic_independent_hypothermia

Repeated Treatment with Cannabidiol but Not Delta9-tetrahydrocannabinol Has a Neuroprotective Effect Without the Development of Tolerance  (abst - 2007)  

Evaluation of the neuroprotective effect of cannabinoids in a rat model of Parkinson's disease: importance of antioxidant and cannabinoid receptor-independent properties.  (abst - 2007)  

Neuroprotective and Intraocular Pressure-Lowering Effects of (-)Delta-Tetrahydrocannabinol in a Rat Model of Glaucoma.  (abst - 2007)  

Excitotoxicity in a chronic model of multiple sclerosis: Neuroprotective effects of cannabinoids through CB1 and CB2 receptor activation.  (abst – 2007)  
CB2 cannabinoid receptors as an emerging target for demyelinating diseases: from neuroimmune interactions to cell replacement strategies  (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219542/

Endocannabinoids in the retina: From marijuana to neuroprotection.  (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2584875/?tool=pmcentrez

Endocannabinoid 2-Arachidonoylglycerol Protects Neurons by Limiting COX-2 Elevation  (full – 2008) http://www.jbc.org/content/283/33/22601.full

Cannabinoid-mediated neuroprotection, not immunosuppression, may be more relevant to multiple sclerosis  (full – 2008)
http://www.jni-journal.com/article/S0165-5728%2807%2900396-7/fulltext

Cannabidiol in medicine: a review of its therapeutic potential in CNS disorders  (abst - 2008)
http://www.unboundmedicine.com/medline/ebm/record/18844286/abstract/Cannabidiol_in_medicine:_a_review_of_its_therapeutic_potential_in_CNS_disorders

Role of CB2 receptors in neuroprotective effects of cannabinoids.  (abst - 2008)


Cannabidiol: a promising drug for neurodegenerative disorders?  (full - 2009)

Unconventional neurotransmitters, neurodegeneration and neuroprotection  (full – 2009)

Cannabidiol targets mitochondria to regulate intracellular Ca2+ levels.  (full – 2009)
http://www.jneurosci.org/content/29/7/2053.long

Pretreatment with electroacupuncture induces rapid tolerance to focal cerebral ischemia through regulation of endocannabinoid system.  (full – 2009)
http://stroke.ahajournals.org/content/40/6/2157.long

Effects of cannabidiol on amphetamine-induced oxidative stress generation in an animal model of mania  (abst – 2009) http://jop.sagepub.com/content/25/2/274.abstract

The nonpsychotropc cannabinoid cannabidiol modulates and directly activates alpha-1 and alpha-1-Beta glycine receptor function  (abst – 2009)

Medical Marijuana and Peripheral Neuropathy (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/116?ailment=peripheral-neuropathy


Learning and memory performances in adolescent users of alcohol and marijuana: interactive effects. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2965487/

The effects of Delta-tetrahydrocannabinol and cannabidiol alone and in combination on damage, inflammation and in vitro motility disturbances in rat colitis. (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931570/?tool=pubmed


Cannabinoid receptor agonist protects cultured dopaminergic neurons from the death by the proteasomal dysfunction. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3145842/?tool=pubmed


N-arachidonoyl--serine is neuroprotective after traumatic brain injury by reducing apoptosis (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3170948/

Cannabinoid Receptor Type 1 Protects Nigrostriatal Dopaminergic Neurons against MPTP Neurotoxicity by Inhibiting Microglial Activation. (full – 2011) http://www.jimmunol.org/content/187/12/6508.full?sid=c3422dd2-7ad0-42e4-a862-845dc670f7cf


Cannabinoids and Innate Immunity: Taking a Toll on Neuroinflammation


Update on the role of cannabinoid receptors after ischemic stroke.  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3337695/?tool=pubmed

Palmitoylethanolamide exerts neuroprotective effects in mixed neuroglial cultures and organotypic hippocampal slices via peroxisome proliferator-activated receptor-α.  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3315437/?tool=pubmed


Contribution of Hypothermia and CB(1) Receptor Activation to Protective Effects of TAK-937, a Cannabinoid Receptor Agonist, in Rat Transient MCAO Model.  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3397930/?tool=pubmed

Early Endogenous Activation of CB1 and CB2 Receptors after Spinal Cord Injury Is a Protective Response Involved in Spontaneous Recovery  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3496738/

Palmitoylethanolamide exerts neuroprotective effects in mixed neuroglial cultures and organotypic hippocampal slices via peroxisome proliferator-activated receptor-α  (full – 2012)  http://www.jneuroinflammation.com/content/9/1/49

Endocannabinoids in nervous system health and disease: the big picture in a nutshell  (full – 2012)  http://rstb.royalsocietypublishing.org/content/367/1607/3193.full
Intrinsic Up-Regulation of 2-AG Favors an Area Specific Neuronal Survival in Different In Vitro Models of Neuronal Damage. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3527460/

Review article: The endocannabinoid system in normal and pathological brain ageing (full – 2012) http://rstb.royalsocietypublishing.org/content/367/1607/3326.full?sid=161e7b36-5055-448b-962e-697c782e901d

Prevention of Paclitaxel-Induced Neuropathy Through Activation of the Central Cannabinoid Type 2 Receptor System (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3334436/

Cannabinoid type 2 receptor activation downregulates stroke-induced classic and alternative brain macrophage/microglial activation concomitant to neuroprotection. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22020035


Sativex-like Combination of Phytocannabinoids is Neuroprotective in Malonate-Lesioned Rats, an Inflammatory Model of Huntington's Disease: Role of CB(1) and CB(2) Receptors. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22860209


Researchers study neuroprotective properties in cannabis (news - 2012) http://www.foxnews.com/health/2012/03/20/researchers-study-neuroprotective-properties-in-cannabis/


Molecular evidence for the involvement of PPAR-δ and PPAR-γ in anti-inflammatory and neuroprotective activities of palmitoylethanolamide after spinal cord trauma (full – 2013) http://www.jneuroinflammation.com/content/10/1/20

Neuroprotective effects of Cannabis sativa leaves extracts on α-Motoneurons density after sciatic nerve injury in rats (full – 2013)
HINT1 protein cooperates with cannabinoid 1 receptor to negatively regulate glutamate NMDA receptor activity  (full – 2013)  http://www.molecularbrain.com/content/6/1/42

CB2 Receptor Agonists Protect Human Dopaminergic Neurons against Damage from HIV-1 gp120.  (full – 2013)  http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0077577


A new co-ultramicronized composite including palmitoylethanolamide and luteolin to prevent neuroinflammation in spinal cord injury  (full – 2013)  http://www.jneuroinflammation.com/content/10/1/91

Does the neuroprotective role of anandamide display diurnal variations?  (link to PDF– 2013)  http://www.mdpi.com/1422-0067/14/12/23341

Palmitoylethanolamide in Homeostatic and Traumatic Central Nervous System Injuries  (link to PDF - 2013)  http://www.eurekaselect.com/107976/article

Neuroglial Roots of Neurodegenerative Diseases: Therapeutic Potential of Palmitoylethanolamide in Models of Alzheimer’s Disease  (link to PDF– 2013)  http://www.eurekaselect.com/107977/article


Nicotine-Induced Neuroprotection Against Ischemic Injury Involves Activation of Endocannabinoid System in Rats  (abst – 2013)  http://link.springer.com/article/10.1007/s11064-012-0927-6


Mechanisms Of Cannabidiol Neuroprotection In Hypoxic-Ischemic Newborn Pigs: Role Of 5HT1A And CB2 Receptors.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/23587650


Low Doses of THC (Cannabis) Can Halt Brain Damage, Study Suggests (news – 2013) http://www.sciencedaily.com/releases/2013/05/130530132531.htm

Activation of cortical type 2 cannabinoid receptors ameliorates ischemic brain injury (news – 2013) http://www.sciencedaily.com/releases/2013/02/130221141140.htm


Trans-Caryophyllene Suppresses Hypoxia-Induced Neuroinflammatory Responses by Inhibiting NF-κB Activation in Microglia.  (abst – 2014)  http://www.ncbi.nlm.nih.gov/pubmed/24488604


NIEMANN-PICK DISEASE— see Pre-2000 list

NIGHT SWEATS


NOLADIN ETHER- see 2-AGE/ 2-ARACHIDONYL GLYCERYL ETHER

NUTRITION – GENERAL * - also see OMEGA3/ CB 1 CONNECTION, METHODS OF USE- EDIBLES


Dietary intake and nutritional status of US adult marijuana users: results from the Third National Health and Nutrition Examination Survey.  (link to PDF – 2001)
Endocannabinoids and nutrition. (full – 2008)

Beta-caryophyllene is a dietary cannabinoid (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2633791/?tool=pmcentrez

Anti-inflammatory cannabinoids in diet (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2633791/?tool=pmcentrez

Anti-inflammatory compound from cannabis found in herbs (news - 2008)
http://www.rsc.org/chemistryworld/News/2008/June/24060801.asp


Scientists Find New Sources of Plant Cannabinoids Other than Medical Marijuana? (news – 2010)

Cannabis as a Unique Functional Food (full – 2011)
http://apothecary-genetics.spruz.com/gfile/75r4!HLKELE!svyr5/cannabis_as_a_unique_functional_food.pdf

Poor Diet Impairs Cannabinoid Receptors (news – 2011)

Hemp Food Storage (article – 2012)
http://www.innvista.com/health/foods/hemp/hemp-food-storage/


NUTRITION – HEMP SEED *

Hemp Protein Powder 411 (article - undated)
http://manitobaharvest.com/articles_studies/3804/Hemp-Protein-%3D-King-of-the-Plant-Kingdom.html

Hemp Powder Vs. Hemp Oil (article – undated)
Why Hemp Foods & Oils?  (article - undated)

Nutrition for Moms-to-be!  (article - undated)

Hemp = Superfood  (article - undated)
http://manitobaharvest.com/articles_studies/3802/Hemp%3A-Nature%27s-Forgotten-Superfood.html

Evaluating the impact of hemp food consumption on workplace drug tests.  (abst – 2001)

Nutritional Profile and Benefits of Hemp Seed, Nut, and Oil  (article - 2003)

Cannabis butter to spread across Europe  (news - 2004)

The effect of feeding hemp seed meal to laying hens.  (abst – 2005)

Alpha-linolenic acid content of commonly available nuts in Hangzhou.  (abst – 2006)

Oily fish makes 'babies brainier'  (news - 2006)  (hemp seed- at the very end)
http://news.bbc.co.uk/2/hi/health/4631006.stm

Effect of dietary hempseed intake on cardiac ischemia-reperfusion injury.  (full – 2007)
http://ajpregu.physiology.org/content/292/3/R1198.long

Δ9-Tetrahydrocannabinol Content of Commercially Available Hemp Products  

EFFECT OF GERMINATION ON HEMP (CANNABIS SATIVA L.) SEED COMPOSITION  
(full – 2008)
http://saiapm.ulbsibiu.ro/rom/cercetare/ACTA_E/AUCFT%202008II%2027_34.pdf

Characterization, amino acid composition and in vitro digestibility of hemp (Cannabis) proteins  (abst - 2008)  
http://cat.inist.fr/?aModele=afficheN&cpsidt=20168114

Initial study of Hemp seeds protein on antifatigue and the immunomodulation effects in mice  (abst – 2008)

Cholesterol-induced stimulation of platelet aggregation is prevented by a hempseed-enriched diet.  (abst - 2008)  
Hemp: A replacement for common food allergens?  (news - 2009)

The cardiac and haemostatic effects of dietary hempseed.  (full - 2010)
http://www.nutritionandmetabolism.com/content/pdf/1743-7075-7-32.pdf

Influence of Feed Supplementation with Cannabis Sativa on Quality of Broilers Carcass  

Information on Chia, Hemp & Flax  (article – 2010)

Dietary intakes in a group of marihuana smoking patients  (abst – 2010)

Evaluating the Quality of Protein from Hemp Seed (Cannabis sativa L.) Products Through the use of the Protein Digestibility-Corrected Amino Acid Score Method  (abst - 2010)  http://pubs.acs.org/doi/abs/10.1021/jf102636b

The Calories in Hemp Seeds  (news – 2010)

Hemp Seeds are Full of Health  (news - 2010)
http://www.naturalnews.com/029729_hemp_seeds_health.html

Unhulled Hemp Seed Uses  (news – 2010)
http://www.livestrong.com/article/212391-unhulled-hemp-seed-uses/

What Is Hemp Protein?  (news – 2010)
http://www.livestrong.com/article/99020-hemprotein/

Efficacy of a Chinese herbal proprietary medicine (Hemp Seed Pill) for functional constipation.  (full – 2011)  http://www.nature.com/ajg/journal/v106/n1/pdf/ajg2010305a.pdf


What Are the Benefits of Hemp Seeds for Toddlers?  (news – 2011)
Searching for health beneficial n-3 and n-6 fatty acids in plant seeds. (full – 2012)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3380567/?tool=pubmed

Archaeobotanical study of ancient food and cereal remains at the Astana cemeteries, Xinjiang, China. (full – 2012)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0045137

Nutritive quality of romanian hemp varieties (Cannabis sativa L.) with special focus on oil and metal contents of seeds. (full – 2012)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3543203/

Comparative Study of Sedation, Pre-Anesthetic and Anti-Anxiety Effects of Hemp Seed Extract and Diazepam in Rats (full – 2012)

Hemp Food Storage (article – 2012)
http://www.innvista.com/health/foods/hemp/hemp-food-storage/

Hemp Seed Protein (article – 2012)

Hemp Seeds (article – 2012)
http://www.innvista.com/foods/hemp/hemp-seeds/

Hemp Seeds as Medicine (article – 2012)
http://www.innvista.com/foods/hemp/hemp-seeds-as-medicine/

Proteomic profiling of hempseed proteins from Cheungsam. (abst - 2012)

Effect of feeding hemp seed and hemp seed oil on laying hen performance and egg yolk fatty acid content: Evidence of their safety and efficacy for laying hen diets. (abst – 2012)

Fatty Acid Profile and Sensory Characteristics of Table Eggs from Laying Hens Fed Hempseed and Hempseed Oil. (abst – 2012)

The isolation and identification of two compounds with predominant radical scavenging activity in hempseed (seed of Cannabis sativa L.). (abst – 2012)

Agents that act luminally to treat diarrhoea and constipation. (abst – 2012)

6 Power Foods You Should Be Eating – Hemp Seed (news – 2012)
http://www.menshealth.com/mhlists/essential_power_foods/Power_Food_Hemp_Seeds.php


Herbal medicine may ease constipation (news – 2013) http://www.lifescript.com/health/centers/pain/alternative_treatments/traditional_chinese_herbal_medicine_articles/herbal_medicine_may_ease_constipation.aspx

Chew on This: Hemp is the New Health Food (news – 2013) http://www.lifescript.com/food/healthy_eating_guides/dinner/articles/chew_on_this_hemp_is_the_new_health_food.aspx

**NUTRITION – HEMP SEED OIL** * - also see OMEGA 3/ CB1 CONNECTION

King’s College Review of Nutritional Attributes of Cold Pressed Hemp Seed Oil (full – undated) http://www.goodwebsite.co.uk/kingsreport.pdf


Hemp Oil vs Flax Oil. Which One is Right for Me? (article - undated) http://manitobaharvest.com/articles_studies/3794/Hemp-Oil-vs-Flax-Oil.-Which-One-is-Right-for-Me%3F.html


Hemp Seed Oil - Your source for essential fat (article - undated) http://manitobaharvest.com/articles_studies/3810/Hemp-Seed-Oil---Your-source-for-essential-fat.html

Hemp: The Right Choice for Omega-6 (article - undated) http://manitobaharvest.com/articles_studies/3814/Hemp%3A-The-Right-Choice-for-Omega-6-.html

Hemp Oil Vs. Flax Oil (1) (article – undated) http://www.ehow.com/facts_5949889_hemp-oil-vs-flax-oil.html

Characteristics of hemp (Cannabis sativa L.) seed oil (abst - 2002)
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T6R-44KW0MJ-6&_user=10&_coverDate=01%2F23%2F2002&_alid=122444KW0MJ-6&_sort=r&_docanchor=&view=c&_acct=C000050221&_version=1&_urlVersion=0&md5=39826d98860a306a6242e11b6f6d60bd7

Nutritional Profile and Benefits of Hemp Seed, Nut, and Oil (article - 2003)

Hemp-seed and olive oils: their stability against oxidation and use in O/W emulsions. (abst – 2004)

Hemp Oil (full - 2005) http://www.innvista.com/foods/hemp/hemp-oil/

Efficacy of dietary hempseed oil in patients with atopic dermatitis. (abst - 2005)

Study on the extraction process for cannabinoids in hemp seed oil by orthogonal design (abst – 2005)

Hemp-seed and olive oils: their stability against oxidation and use in O/W emulsions. (abst – 2005)

Effects of hempseed and flaxseed oils on the profile of serum lipids, serum total and lipoprotein lipid concentrations and haemostatic factors. (abst – 2006)

Review of Nutritional Attributes of GOOD OIL (Cold Pressed Hemp Seed Oil) (full – 2008)
http://www.goodwebsite.co.uk/kingsreport.pdf

Benefit of Hemp Oil (news – 2009)
http://www.livestrong.com/article/31903-hemp-seed-oil-benefits/

Hemp Oil Compared to Flax Oil (article – 2010)
http://www.ehow.com/facts_7639247_hemp-oil-compared-flax-oil.html

QUALITY OF HEMP SEED OIL DEPENDING ON ITS OBTAINING (abst – 2010)

Evaluating the quality of protein from hemp seed (Cannabis sativa L.) products through the use of the protein digestibility-corrected amino acid score method. (abst – 2010)

Analytical Characterization of Hempseed (Seed of Cannabis sativa L.) Oil from Eight Regions in China. (abst – 2010)

Hemp Seed Oil for Skin (news – 2010)
The Benefits of Hemp Oil on Hair (news – 2010)
http://www.livestrong.com/article/189783-the-benefits-of-hemp-oil-on-hair/

Vets use hemp seed oil on animals with cancer (news - 2010)


Anchovy red wine vinegarette with or without cannabis oil (news – 2011)

Hemp Oil Vs. Flax Oil (2) (news – 2011)
http://www.livestrong.com/article/413750-hemp-oil-vs-flax-oil/

Searching for health beneficial n-3 and n-6 fatty acids in plant seeds. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3380567/

Antioxidant Activities and Oxidative Stabilities of Some Unconventional Oilseeds (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3311859/?tool=pubmed


Hempseed oil has healthy potential: study (news – 2014) http://news.yahoo.com/hempseed-oil-healthy-potential-study-195140602.html

Hemp & GLA: Good Fat Burns Bad Fat (news/forum repost- undated)
Low dose anandamide affects food intake, cognitive function, neurotransmitter and corticosterone levels in diet-restricted mice.  (abst – 2000)

Dietary intake and nutritional status of US adult marijuana users: results from the Third National Health and Nutrition Examination Survey.  (link to PDF – 2001)
http://journals.cambridge.org/action/displayFulltext?type=6&fid=626876&jid=PHN&volumeId=4&issueId =03&aid=562676&bodyId=&membershipNumber=&societyETOCSession=&fulltextType=RA&fileId=S1368980001000738

Marijuana "Munchies" May Hold a Key to Obesity  (news - 2001)
http://www.webmd.com/news/20010411/marijuana-munchies-may-hold-key-to-obesity

The endogenous cannabinoid system affects energy balance via central orexigenic drive and peripheral lipogenesis  (full - 2003)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC166293/

Endocannabinoids and the regulation of body fat: the smoke is clearing  (full - 2003)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC166302/?tool=pmcentrez


CB1 cannabinoid receptor knockout in mice leads to leanness, resistance to diet-induced obesity and enhanced leptin sensitivity  (full - 2004)
http://www.nature.com/ijo/journal/v28/n4/full/0802583a.html

Activation of the Peripheral Endocannabinoid System in Human Obesity  (full - 2005)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2228268/?tool=pmcentrez

Endocannabinoid activation at hepatic CB1 receptors stimulates fatty acid synthesis and contributes to diet-induced obesity  (full - 2005)
http://www.jci.org/articles/view/23057/version/1

Food for thought: endocannabinoid modulation of lipogenesis  (full - 2005)
http://www.jci.org/articles/view/25076/version/1

Endocannabinoid activation at hepatic CB1 receptors stimulates fatty acid synthesis and contributes to diet-induced obesity  (full - 2005)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1087161/?tool=pmcentrez

Endocannabinoids and food intake: newborn suckling and appetite regulation in adulthood.  (full/ forum repost - 2005)

Endocannabinoids in the Regulation of Appetite and Body Weight.  (abst - 2005)
Teens in Recovery Drop Drugs but Add Pounds (news – 2005)

Dysregulation of the Peripheral and Adipose Tissue Endocannabinoid System in Human Abdominal Obesity (full – 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2228260/?tool=pmcentrez

Regulation, Function, and Dysregulation of Endocannabinoids in Models of Adipose and ß-Pancreatic Cells and in Obesity and Hyperglycemia (full - 2006)

AM 251 produces sustained reductions in food intake and body weight that are resistant to tolerance and conditioned taste aversion (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1615836/?tool=pmcentrez

Weight Control in Individuals With Diabetes (full - 2006)
http://care.diabetesjournals.org/content/29/12/2749.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=2000&resourcetype=HWCIT


Does Cannabis Hold the Key to Treating Cardiometabolic Disease (full - 2006)


Obesity – Acomplia: loss of a few kilos, many questions (news – 2006)
http://www.xagena.it/news/medicinenews_net_news/4b5739d494ab72c2a54540e67fc1c856.html


Genetic variations at the endocannabinoid type 1 receptor gene (CNR1) are associated with obesity phenotypes in men. (full – 2007)  http://jcem.endojournals.org/content/92/6/2382.long

No evidence for an involvement of variants in the cannabinoid receptor gene (CNR1) in obesity in German children and adolescents. (abst – 2007)

Immune-mediated Activation of the Endocannabinoid System in Visceral Adipose Tissue in Obesity (abst – 2007)

Endocannabinoid receptor 1 gene variations increase risk for obesity and modulate body mass index in European populations (full – 2008)
http://hmg.oxfordjournals.org/content/17/13/1916.long

GPR119, a novel G protein-coupled receptor target for the treatment of type 2 diabetes and obesity (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2268073/?tool=pmcentrez

Activating Parabrachial Cannabinoid CB1 Receptors Selectively Stimulates Feeding of Palatable Foods in Rats (full - 2008)
http://www.jneurosci.org/cgi/content/full/28/39/9702?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT

Targeted enhancement of oleoylethanolamide production in proximal small intestine induces across-meal satiety in rats. (full – 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2494809/?tool=pubmed

Endocannabinoids and the Control of Energy Homeostasis (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2586261/?tool=pmcentrez

The lipid messenger OEA links dietary fat intake to satiety. (full – 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2572640/?tool=pubmed

The Role of Adipocyte Insulin Resistance in the Pathogenesis of Obesity-Related Elevations in Endocannabinoids (full – 2008)
http://diabetes.diabetesjournals.org/content/57/5/1262.full?sid=00769f3d-54ab-451b-b69e-4650931c5e25


The role of endocannabinoids in the regulation of gastric emptying: alterations in mice fed a high-fat diet. (full – 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2275439/?tool=pubmed

Endocannabinoids and the Control of Energy Homeostasis (full – 2008)
http://www.jbc.org/content/283/48/33021.full?sid=931583b1-e797-43e0-8296-7fd75bb49403

The discovery of taranabant, a selective cannabinoid-1 receptor inverse agonist for the treatment of obesity. (full – 2008)
Dysregulation of peripheral endocannabinoid levels in hyperglycemia and obesity: Effect of high fat diets. (abst – 2008)  

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects (abst – 2008)  
http://gut.bmj.com/content/57/8/1140.abstract

ENDOCANNABINOIDS AND THE NEUROCHEMISTRY OF GLUTTONY. (abst - 2008)  

Dysregulation of peripheral endocannabinoid levels in hyperglycemia and obesity: Effect of high fat diets. (abst – 2008)  

Dysregulation of the endocannabinoid system in obesity. (abst – 2008)  

Cholesterol-induced stimulation of platelet aggregation is prevented by a hempseed-enriched diet. (abst - 2008)  

Inhibitory effect of the anorexic compound oleoylethanolamide on gastric emptying in control and overweight mice. (abst – 2008)  

Synthetic and plant-derived cannabinoid receptor antagonists show hypophagic properties in fasted and non-fasted mice (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697695/?tool=pubmed

Peripheral endocannabinoid dysregulation in obesity: relation to intestinal motility and energy processing induced by food deprivation and re-feeding. (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2757684/?tool=pubmed

Cannabinoid CB2 Receptor Potentiates Obesity-Associated Inflammation, Insulin Resistance and Hepatic Steatosis  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2688760/?tool=pubmed

Biomarkers of Endocannabinoid System Activation in Severe Obesity  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2808340/?tool=pubmed

The endocannabinoid system and diabetes - critical analyses of studies conducted with rimonabant (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2770455/?tool=pmcentrez

Cannabinoids for clinicians: the rise and fall of the cannabinoid antagonists  (full - 2009)  
http://www.eje-online.org/cgi/content/full/161/5/655?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid &searchid=1&FIRSTINDEX=160&resourcetype=HWCIT

Endocannabinoids and Their Receptors as Targets for Obesity Therapy  (full - 2009)  
The endocannabinoid system as a link between homoeostatic and hedonic pathways involved in energy balance regulation  (full – 2009)
http://www.nature.com/ijo/journal/v33/n2s/full/ijo200967a.html

Endocannabinoids and cardiovascular prevention: real progress?  (link to PDF - 2009)
http://www.pagepress.org/journals/index.php/hi/article/view/1162

N-acylethanolamines, anandamide and food intake.  (abst – 2009)


Natural Pot-Like Compound Could Fight Obesity  (news - 2009)
http://www.scientificamerican.com/podcast/episode.cfm?id=natural-pot-like-compound-could-fig-09-12-29

Alterations in the hippocampal endocannabinoid system in diet-induced obese mice.  (full – 2010)  http://www.jneurosci.org/content/30/18/6273.long

Differential alterations of the concentrations of endocannabinoids and related lipids in the subcutaneous adipose tissue of obese diabetic patients  (full - 2010)
http://www.lipidworld.com/content/9/1/43

Expression of cannabinoid CB1 receptors by vagal afferent neurons: kinetics and role in influencing neurochemical phenotype  (full – 2010)
http://ajpgi.physiology.org/content/299/1/G63.full?sid=fc6948f0-78cf-405c-981b-aafaa05ee417c

Polymorphisms in the endocannabinoid receptor 1 in relation to fat mass distribution  (full – 2010)  http://www.eje-online.org/content/163/3/407.full

The endocannabinoid system links gut microbiota to adipogenesis  (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2925525/


A common CNR1 (cannabinoid receptor 1) haplotype attenuates the decrease in HDL cholesterol that typically accompanies weight gain.  (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3013130/?tool=pubmed


Differential alterations of the concentrations of endocannabinoids and related lipids in the subcutaneous adipose tissue of obese diabetic patients.  (full – 2010)

The novel cannabinoid CB1 antagonist AM6545 suppresses food intake and food-reinforced behavior. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3522179/

Peripheral CB1 cannabinoid receptor blockade improves cardiometabolic risk in mouse models of obesity. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2912197/

A common polymorphism in the cannabinoid receptor 1 (CNR1) gene is associated with antipsychotic-induced weight gain in Schizophrenia. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3055343/?tool=pubmed


Cannabidiol Attenuates the Appetitive Effects of Δ9-Tetrahydrocannabinol in Humans Smoking Their Chosen Cannabis (full - 2010) http://www.nature.com/npp/journal/v35/n9/full/npp201058a.html


A novel peripherally restricted cannabinoid receptor antagonist, AM6545, reduces food intake and body weight, but does not cause malaise, in rodents (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2990160/


A clinical trial assessing the safety and efficacy of the CB1R inverse agonist tarianabt in obese and overweight patients: low-dose study (abst – 2010) http://www.nature.com/ijo/journal/v34/n8/full/ijo201038a.html


Cannabis Use and Obesity and Young Adults (abst - 2010) http://informahealthcare.com/doi/abs/10.3109/00952990.2010.500438


Resistance to diet-induced adiposity in cannabinoid receptor-1 deficient mice is not due to impaired adipocyte function (full – 2011) http://www.nutritionandmetabolism.com/content/8/1/93

Kril oil significantly decreases 2-arachidonoylglycerol plasma levels in obese subjects. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3048484/?tool=pubmed

Effect of dietary krill oil supplementation on the endocannabinoidome of metabolically relevant tissues from high-fat-fed mice (full – 2011) http://www.nutritionandmetabolism.com/content/8/1/51

Lipid transport function is the main target of oral oleoylethanolamide to reduce adiposity in high-fat-fed mice (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3111743/?tool=pubmed

The activity of the endocannabinoid metabolising enzyme fatty acid amide hydrolase in subcutaneous adipocytes correlates with BMI in metabolically healthy humans (full – 2011) http://www.lipidworld.com/content/10/1/129


Adipose tissue endocannabinoid system gene expression: depot differences and effects of diet and exercise (full – 2011) http://www.lipidworld.com/content/10/1/194

385 C/A polymorphism of the fatty acid amide hydrolase gene is associated with metabolic syndrome in the Chinese Han population. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3258756/

Greasing the wheels of managing overweight and obesity with omega-3 fatty acids. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3210336/

Obesity and Cannabis Use: Results From 2 Representative National Surveys (full – 2011) http://aje.oxfordjournals.org/content/early/2011/08/24/aje.kwr200.full


Cannabidiol decreases body weight gain in rats: Involvement of CB2 receptors. (abst - 2011) http://marijuana.researchtoday.net/archive/8/1/3517.htm

Cannabinoid type 1 receptor mediates depot-specific effects on differentiation, inflammation and oxidative metabolism in inguinal and epididymal white adipocytes. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/23455155


The central cannabinoid CB1 receptor is required for diet-induced obesity and rimonabant's antiobesity effects in mice (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21799481


To Be or Not To Be—Obese  (full – 2012)  http://endo.endojournals.org/content/152/10/3592.long

The L-α-lysophosphatidylinositol/GPR55 system and its potential role in human obesity. (full – 2012)  http://diabetes.diabetesjournals.org/content/61/2/281.long

Resistance to diet-induced adiposity in cannabinoid receptor-1 deficient mice is not due to impaired adipocyte function.  (full – 2012)  http://www.nutritionandmetabolism.com/content/pdf/1743-7075-8-93.pdf


Cannabinoid Receptor 1 (CNR1) 4895 C/T Genetic Polymorphism was Associated with Obesity in Japanese Men. (full – 2012)  https://www.jstage.jst.go.jp/article/jat/19/8/19_12732/_pdf

Relationships between glucose, energy intake and dietary composition in obese adults with type 2 diabetes receiving the cannabinoid 1 (CB1) receptor antagonist, rimonabant (full – 2012)  http://www.nutritionj.com/content/11/1/50

Excess of the endocannabinoid anandamide during lactation induces overweight, fat accumulation and insulin resistance in adult mice  (full – 2012)  http://www.dmsjournal.com/content/4/1/35


Dietary linoleic acid elevates endogenous 2-AG and anandamide and induces obesity. (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3458187/


Type 2 Diabetes Associated Changes in the Plasma Non-Esterified Fatty Acids, Oxylipins and Endocannabinoids  (full – 2012)
Endocannabinoids measurement in human saliva as potential biomarker of obesity. (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3409167/?tool=pubmed

Metabolic effects of n-3 PUFA as phospholipids are superior to triglycerides in mice fed a high-fat diet: possible role of endocannabinoids. (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3372498/

The dynamic nature of type 1 cannabinoid receptor (CB1) gene transcription (full - 2012)  

Gut microbiota and the development of obesity. (full – 2012)  

2-Arachidonoylglycerol Signaling in Forebrain Regulates Systemic Energy Metabolism (full – 2012)  
http://ac.els-cdn.com/S1550413112000052/S1550413112000052-main.pdf?_tid=186a88ec-7369-11e3-8095-00000aab0f02&acdnat=1388638277_735058a6f79f41a9199132aed604fdab

CNR1 genotype influences HDL-cholesterol response to change in dietary fat intake. (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3342253/

Hypothalamic CB1 Cannabinoid Receptors Regulate Energy Balance in Mice (full – 2012)  

Dietary linoleic acid elevates endogenous 2-arachidonoylglycerol and anandamide in Atlantic salmon (Salmo salar L.) and mice, and induces weight gain and inflammation in mice. (full - 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3548985/

Rimonabant improves obesity but not the overall cardiovascular risk and quality of life; results from CARDIO-REDUSE (CARDiometabolic Risk reDuctIOn by Rimonabant: the Effectiveness in Daily practice and its USE) (full – 2012)  
http://fampra.oxfordjournals.org/content/29/5/521.full

Dietary conditions and highly palatable food access alter rat cannabinoid receptor expression and binding density. (abst – 2012)  

The atypical cannabinoid O-1602 stimulates food intake and adiposity in rats. (abst – 2012)  

Cannabinoid signalling regulates inflammation and energy balance: The importance of the brain-gut axis. (abst – 2012)  


Anti-obesity effects of the combined administration of CB1 receptor antagonist rimonabant and melanin-concentrating hormone antagonist SNAP-94847 in diet-induced obese mice. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22473329


Simultaneous postprandial deregulation of the orexigenic endocannabinoid anandamide and the anorexigenic peptide YY in obesity (abst – 2012) http://www.nature.com/ijo/journal/v36/n6/full/ijo2011165a.html


Fatty acid flux and oxidation are increased by rimonabant in obese women. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22445512


The impact of marijuana use on glucose, insulin, and insulin resistance among US adults (full – 2013) http://www.amjmed.com/article/S0002-9343%2813%2900200-3/fulltext

Reduced endothelium-dependent relaxation to anandamide in mesenteric arteries from young obese Zucker rats. (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0063449

Chronic treatment with krill powder reduces plasma triglyceride and anandamide levels in mildly obese men (full – 2013) http://www.lipidworld.com/content/12/1/78

Alterations to Melanocortinergic, GABAergic and Cannabinoid Neurotransmission Associated with Olanzapine-Induced Weight Gain (full – 2013) http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0033548
Obesity-driven synaptic remodeling affects endocannabinoid control of orexinergic neurons (full – 2013) http://www.pnas.org/content/110/24/E2229.full


Moderation of antipsychotic-induced weight gain by energy balance gene variants in the RUPP autism network risperidone studies (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3693401/

Orexin neurons use endocannabinoids to break obesity-induced inhibition (full – 2013) http://www.pnas.org/content/110/24/9625.full

Reduced Food Intake is the Major Contributor to the Protective Effect of Rimonabant on Islet in Established Obesity-Associated Type 2 Diabetes. (full – 2013) http://www.eymj.org/DOIx.php?id=10.3349/ymj.2013.54.5.1127

Developmental Role for Endocannabinoid Signaling in Regulating Glucose Metabolism and Growth. (full – 2013) http://diabetes.diabetesjournals.org/content/62/7/2359.full?sid=2f5bda2b-a9c7-432a-9588-80c99189164d

Genetic variation in the cannabinoid receptor gene (CNR1) (G1359A polymorphism) and their influence on anthropometric parameters and metabolic parameters under a high monounsaturated vs. high polyunsaturated fat hypocaloric diets. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23337343


Effects of CB1 receptor blockade on monosodium glutamate induced hypometabolic and hypothalamic obesity in rats. (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/23620336


High fat diet and body weight have different effects on cannabinoid CB1 receptor expression in rat nodose ganglia. (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24145047

Monounsaturated fatty acids generated via stearoyl CoA desaturase-1 are endogenous inhibitors of fatty acid amide hydrolase. (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24191036


Role of Genetic Variation in the Cannabinoid Receptor Gene (CNR1) (G1359A Polymorphism) on Weight Loss and Cardiovascular Risk Factors After Liraglutide Treatment in Obese Patients With Diabetes Mellitus Type 2. (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24322329


The regulation of food intake by the gut-brain axis: implications for obesity (abst – 2013) http://www.nature.com/ijo/journal/v37/n5/full/ijo201293a.html


Effects of C358A polymorphism of the endocannabinoid degrading enzyme fatty acid amide hydrolase (FAAH) on weight loss, adipocytokines levels, and insulin resistance after a high polyunsaturated fat diet in obese patients. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/24445122

Key Shift in Brain That Creates Drive to Overeat Identified (news – 2013) http://www.sciencedaily.com/releases/2013/04/130429154214.htm


CB1 blockade-induced weight loss over 48 weeks decreases liver fat in proportion to weight loss in humans (abst – 2014)  
http://www.nature.com/iijo/journal/v37/n5/full/iijo2012116a.html

Effect of intermittent cold exposure on brown fat activation, obesity, and energy homeostasis in mice. (abst – 2014)  

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**OBSESSIVE COMPULSIVE DISORDER/ OCD**

Inhibition of fatty-acid amide hydrolase accelerates acquisition and extinction rates in a spatial memory task. (full – 2007)  

Improvement in Refractory Obsessive Compulsive Disorder With Dronabinol (letter - 2008)  
http://ajp.psychiatryonline.org/article.aspx?articleID=99760

Science: THC effective in obsessive compulsive disorder according to case reports (news - 2008)  

Medical Marijuana and Obsessive Compulsive Disorder (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/49?ailment=obsessive-compulsive-disorder

Cannabidiol inhibitory effect on marble-burying behaviour: involvement of CB1 receptors. (abst - 2010)  

Inhibition of endocannabinoid catabolic enzymes elicits anxiolytic-like effects in the marble burying assay. (full – 2011)  

Plasma and brain pharmacokinetic profile of cannabidiol (CBD), cannabidivarin (CBDV), Δ(9)-tetrahydrocannabivarin (THCV) and cannabigerol (CBG) in rats and mice following oral and intraperitoneal administration and CBD action on obsessive-compulsive behaviour. (abst – 2011)  

Cannabidiol, a Cannabis sativa constituent, as an anxiolytic drug. (full – 2012)  

Multiple mechanisms involved in the large-spectrum therapeutic potential of cannabidiol in psychiatric disorders. (abst – 2012)  

Endocannabinoid analogues exacerbate marble-burying behavior in mice via TRPV1 receptor. (abst – 2012)  

**OLDER ADULT CANNABIS USERS**

- Pass the Doobie, pops (news - 2005) [http://www.thefreelibrary.com/Pass+the+doobie%2c+pops.-a0131273013](http://www.thefreelibrary.com/Pass+the+doobie%2c+pops.-a0131273013)
- CN BC: Expert Testifies Cannabis Helps Slow Aging (news - 2008) [http://www.mapinc.org/drugnews/v08/n458/a05.html](http://www.mapinc.org/drugnews/v08/n458/a05.html)
- Marijuana Use By Seniors Goes Up As Boomers Age (news - 2010)
http://www.mapinc.org/drugnews/v10/n136/a01.html?1189

Pot Breaks the Age Barrier  (news - 2010)
http://www.mapinc.org/drugnews/v10/n233/a01.html?1190

Why Growing Numbers of Baby Boomers and the Elderly Are Smoking Pot  
(news – 2010)
http://www.alternet.org/story/145808/why_growing_numbers_of_baby_boomers_and_the_elderly_are_smoking_pot

Pot for Grandma? Middle-Aged Adults Buying Weed for Ailing Parents  (news – 2010)

Marijuana use among older adults in the U.S.A.: user characteristics, patterns of use, and implications for intervention  (abst – 2011)  

125 Year Old Woman Claimed Smoking Cannabis Everyday Was Her Secret to Long Life  (news – 2011)

Cannabis Use in Long-Term Care: An Emerging Issue for Nurses  (news – 2011)

Cannabis Use in Nursing Homes – An Emerging Issue  (news – 2011)

Seniors’ Medical Pot Collective Faces Opposition in California  (news – 2011)

Prevalences of illicit drug use in people aged 50 years and over from two surveys.  
(abst – 2012)  

Seniors Benefit Most From Medical Marijuana  (news – 2012)
http://www.doobons.com/blog/2012/04/18/seniors-benefit-most-from-medical-marijuana/

NORML’s Eleven Surprising Things About Marijuana That Seniors Need to Know  
(news – 2012)  

Pot smoking not tied to middle-age mental decline  (news – 2012)

Illicit Drug Use Rising For 50+ Crowd  (news – 2012)

Reefer tokin’ seniors in South Florida see pain go up in smoke  (news – 2012)

Silver Tour: Wall Street Journal Looks At Seniors and Medical Marijuana Use  
(news – 2012)
Seniors having Trouble Getting Medical Marijuana  (news – 2012)

Is Marijuana Booming Among Boomers?  (news – 2013)
http://www.forbes.com/sites/nextavenue/2013/05/16/is-marijuana-booming-among-boomers/

Medical marijuana helps senior sleep, contend with other problems of aging  (news – 2013)
http://www.ottawacitizen.com/health/seniors/Medical+marijuana+helps+senior+sleep+contend+with+other/8439474/story.html

Cannabis for Elders: A Precarious State  (news – 2013)

Cannabis Care: Manchester grandmother fears getting caught for using marijuana, waits anxiously for bill to pass  (news – 2013)

Should Your Aging Parent Try Medical Marijuana?  (news/ anecdotal – 2013)

Marijuana use on the rise among young adults, fiftysomethings  (news – 2013)

Senior Focus: Should marijuana be legalized for end of life care?  (news – 2013)
http://www.stltoday.com/lifestyles/health-med-fit/6814b63f-d758-5500-9507-a908a5b20c01.html

**OMEGA-3/ CB1 CONNECTION** - without Omega 3, new CB1 receptors are made imperfectly - also see NUTRITION – HEMP SEED OIL, CBR- CB1 RECEPTORS

Nutrition for Moms-to-be!  (article - undated)

Omega-3 and Omega-6 Essential fatty Acids (EFA)  (infomercial/ad – undated)


Oily fish makes 'babies brainier’  (news - 2006)  (hemp seed - at the end)
http://news.bbc.co.uk/2/hi/health/4631006.stm
Effect of dietary hempseed intake on cardiac ischemia-reperfusion injury. (full – 2007) http://ajpregu.physiology.org/content/292/3/R1198.long


Review of Nutritional Attributes of GOOD OIL (Cold Pressed Hemp Seed Oil) (full – 2008) http://www.goodwebsite.co.uk/kingsreport.pdf

Deficit in prepulse inhibition in mice caused by dietary n-3 fatty acid deficiency. (full – 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2852869/


Cannabinoid receptor-dependent and -independent anti-proliferative effects of omega-3 ethanolamides in androgen receptor-positive and -negative prostate cancer cell lines. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2930808/?tool=pubmed

Maternal Dietary Fat Determines Metabolic Profile and the Magnitude of Endocannabinoid Inhibition of the Stress Response in Neonatal Rat Offspring (full – 2010) http://endo.endojournals.org/content/151/4/1685.full?sid=f9729cff-d221-42d4-81d8-8545db5df878

Dietary docosahexaenoic acid supplementation alters select physiological endocannabinoid-system metabolites in brain and plasma (full – 2010) http://www.jlr.org/content/51/6/1416.full.pdf+html


Effect of dietary krill oil supplementation on the endocannabinoidome of metabolically relevant tissues from high-fat-fed mice (full – 2011) http://www.nutritionandmetabolism.com/content/8/1/51

A synaptogenic amide N-docosahexaenoylethanolamide promotes hippocampal development (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3215906/

Greasing the wheels of managing overweight and obesity with omega-3 fatty acids. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3210336/

Hepatic n-3 Polyunsaturated Fatty Acid Depletion Promotes Steatosis and Insulin Resistance in Mice: Genomic Analysis of Cellular Targets (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3154437/

Nutritional omega-3 deficiency abolishes endocannabinoid-mediated neuronal functions.
Fish oil promotes survival and protects against cognitive decline in severely undernourished mice by normalizing satiety signals. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21278728

Omega-3 N-acyylethanolamines are endogenously synthesised from omega-3 fatty acids in different human prostate and breast cancer cell lines. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21995886


Metabolic effects of n-3 PUFA as phospholipids are superior to triglycerides in mice fed a high-fat diet: possible role of endocannabinoids. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3372498/

Dietary linoleic acid elevates endogenous 2-AG and anandamide and induces obesity. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3458187/
Type 2 Diabetes Associated Changes in the Plasma Non-Esterified Fatty Acids, Oxylipins and Endocannabinoids (full – 2012)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3493609/

Fish oil and inflammatory status alter the n-3 to n-6 balance of the endocannabinoid and oxylipin metabolomes in mouse plasma and tissues (full – 2012)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3483099/

Metabolic effects of n-3 PUFA as phospholipids are superior to triglycerides in mice fed a high-fat diet: possible role of endocannabinoids. (full – 2012)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3372498/

Searching for health beneficial n-3 and n-6 fatty acids in plant seeds. (full – 2012)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3380567/

Dietary linoleic acid elevates endogenous 2-arachidonoylglycerol and anandamide in Atlantic salmon (Salmo salar L.) and mice, and induces weight gain and inflammation in mice. (full - 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3548985/

Nutritional n-3 polyunsaturated fatty acids deficiency alters cannabinoid receptor signaling pathway in the brain and associated anxiety-like behavior in mice. (abst – 2012) http://www.springerlink.com/content/ur5784gm34782505/

Essential fatty acids and lipid mediators. Endocannabinoids (abst – 2012)


Essential fatty acids and lipid mediators. Endocannabinoids (abst – 2012)

N-acyl amines of docosahexaenoic acid and other n-3 polyunsaturated fatty acids – From fishy endocannabinoids to potential leads (abst – 2012)

Effect of omega-3 polyunsaturated fatty acids on the endocannabinoid system in osteoblast-like cells and muscle (abst – 2012)
http://docs.lib.purdue.edu/dissertations/AAI3444794/

Acetaminophen, pesticide, and diethylhexyl phthalate metabolites, anandamide, and fatty acids in deciduous molars: potential biomarkers of perinatal exposure (abst – 2012)

Hind limb suspension and long-chain omega-3 PUFA increase mRNA endocannabinoid system levels in skeletal muscle. (abst – 2012)
Cannabinoid Receptor Function is Altered by Nutritional Deficient Diet (news – 2012)  

Effect of dietary fat type on anxiety-like and depression-like behavior in mice (full – 2013)  
http://www.springerplus.com/content/2/1/165

Chronic treatment with krill powder reduces plasma triglyceride and anandamide levels in mildly obese men (full – 2013)  
http://www.lipidworld.com/content/12/1/78

Voluntary Running in Young Adult Mice Reduces Anxiety-Like Behavior and Increases the Accumulation of Bioactive Lipids in the Cerebral Cortex (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0081459

Nutritional properties of dietary omega-3-enriched phospholipids. (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3747496/

DHA prevents altered 5-HT1(A), 5-HT2(A), CB1 and GABA(A) receptor binding densities in the brain of male rats fed a high-saturated-fat diet. (abst – 2013)  

Synaptamide, endocannabinoid-like derivative of docosahexaenoic acid with cannabinoid-independent function. (abst – 2013)  

Fat to treat fat: Emerging relationship between dietary PUFA, endocannabinoids, and obesity. (abst – 2013)  

PUFA-derived endocannabinoids: an overview. (abst – 2013)  

Endocannabinoid system as a potential mechanism for n-3 long-chain polyunsaturated fatty acid mediated cardiovascular protection. (abst – 2013)  

Metabolomics uncovers dietary omega-3 fatty acid-derived metabolites implicated in anti-nociceptive responses after experimental spinal cord injury. (abst – 2013)  

Differential Modulation of Tumor Cell Proliferation and their Endocannabinoid System by Polyunsaturated Fatty Acids. (abst – 2013)  

Endogenous Signaling by Omega-3 Docosahexaenoic Acid-derived Mediators Sustains Homeostatic Synaptic and Circuitry Integrity. (abst – 2014)  
http://www.bioportfolio.com/resources/particle/229933/Endogenous-Signaling-By-Omega-3-Docosahexaenoic-Acid-derived-Mediators-Sustains-Homeostatic-Synaptic.html
OMEGA-6 /ENDOCANNABINOID CONNECTION - endocannabinoids are made from Omega 6

Hepatic n-3 Polyunsaturated Fatty Acid Depletion Promotes Steatosis and Insulin Resistance in Mice: Genomic Analysis of Cellular Targets  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3154437/

Dietary linoleic acid elevates endogenous 2-arachidonoylglycerol and anandamide in Atlantic salmon (Salmo salar L.) and mice, and induces weight gain and inflammation in mice.   (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3548985/

Dietary linoleic acid elevates endogenous 2-AG and anandamide and induces obesity. (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3458187/

Fish oil and inflammatory status alter the n-3 to n-6 balance of the endocannabinoid and oxylipin metabolomes in mouse plasma and tissues   (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3483099/

Searching for health beneficial n-3 and n-6 fatty acids in plant seeds.   (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3380567/

Cannabinoids and omega-3/6 endocannabinoids as cell death and anticancer modulators. (abst – 2012)  

N-acyl amines of docosahexaenoic acid and other n-3 polyunsaturated fatty acids – From fishy endocannabinoids to potential leads   (abst – 2012)  

Voluntary Running in Young Adult Mice Reduces Anxiety-Like Behavior and Increases the Accumulation of Bioactive Lipids in the Cerebral Cortex   (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0081459

PUFA-derived endocannabinoids: an overview.   (abst – 2013)  

Impact of omega-6 polyunsaturated fatty acid supplementation and γ-aminobutyric acid on astrogliogenesis through the endocannabinoid system   (abst – 2013)  
Exogenous lipid pneumonia related to smoking weed oil following cadaveric renal transplantation (full - 2000)  
http://www.pulsus.com/journals/pdf_framerset.jsp?jnlKy=4&atlKy=4570&isArt=t&jnlAdvert=Resp&advertHCTp=&sTitle=Exogenous%20lipid%20pneumonia%20related%20to%20smoking%20weed%20oil%20following%20cadaveric%20renal%20transplantation.%20Pulsus%20Group%20Inc&VisitorType=

http://stopthedrugwar.org/chronicle-old/299/notransplant.shtml

Endocannabinoids and cannabinoid receptors in ischaemia–reperfusion injury and preconditioning (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219536/?tool=pmcentrez

The debate about marijuana usage in transplant candidates: recent medical evidence on marijuana health effects. (abst - 2008)  

Medical Marijuana Users Denied Organ Transplants (news – 2008)  
http://blogs.wsj.com/health/2008/05/19/medical-marijuana-users-denied-organ-transplants/

Is medical-marijuana use reason to deny someone an organ transplant? (news – 2008)  
http://seattletimes.nwsource.com/html/health/2004389825_liver03m.html

Should Hepatitis C Patients Who Smoke Marijuana Be Eligible For Liver Transplants? (news - 2008)  
http://www.sciencedaily.com/releases/2008/10/081022211032.htm

Marijuana Use in Potential Liver Transplant Candidates. (full - 2009)  

Woman Dies After Being Denied Organ Transplant (news – 2009)  

Do cannabinoids have a therapeutic role in transplantation? (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2923447/?tool=pubmed

Denial of hepatic transplantation on the basis of smoking: is it ethical? (abst – 2010)  

Oregon hospitals denying life saving organ transplants to legal medical marijuana patients (news - 2010)  
http://www.huffingtonpost.com/russ-belville/oregon-hospitals-denying_b_575965.html

Health Tragedy: Patients Denied Life-Saving Transplants for Their "Abuse of Illicit Substances" (news – 2010)  
http://www.alternet.org/health/145432/health_tragedy%3A_patients_denied_life-saving_transplants_for_their_%22abuse_of_illicit_substances%22
http://jpet.aspetjournals.org/content/early/2011/06/14/jpet.111.182717.long

Cannabinoid receptor 2 and its agonists mediate hematopoiesis and hematopoietic stem and progenitor cell mobilization. (abst – 2011)  

The Denial of Organ Transplants to Medical Marijuana Patients  (news – 2011)  

Cancer Patient Taken Off Of Liver Transplant List Because Of Medical Marijuana Use  (news – 2011)  
http://www.huffingtonpost.com/2011/12/05/norman-smith-cancer_n_1130619.html

Cedars-Sinai Denying Transplant To Medical Marijuana Patient With Inoperable Liver Cancer  (news – 2011)  

Cannabinoids Inhibit T-cells via Cannabinoid Receptor 2 in an In Vitro Assay for Graft Rejection, the Mixed Lymphocyte Reaction. (abst – 2013)  

N.J. Assembly approves bill protecting marijuana patients  (news – 2013)  

**OSTEOPOROSIS/ BONES and CARTILAGE**

Cannabinoid receptor type 2 gene is associated with human osteoporosis  (full - 2005)  
http://hmg.oxfordjournals.org/cgi/content/full/14/22/3389?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=400&resourcetype=HWCIT

Regulation of bone mass, bone loss and osteoclast activity by cannabinoid receptors  (full - 2005)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1430341/?tool=pmcentrez

Peripheral cannabinoid receptor, CB2, regulates bone mass  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1334629/?tool=pmcentrez

Involvement of Neuronal Cannabinoid Receptor CB1 in Regulation of Bone Mass and Bone Remodeling  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2238031/?tool=pmcentrez

Women with a variant of the CB2 gene have a three-fold higher risk of osteoporosis
New hope for osteoporosis sufferers  (news - 2006)  

Prototype drug to prevent osteoporosis based on cannabinoids found in the body  (news - 2006)  
http://www.news-medical.net/?id=15220

Hebrew U. Researchers Find Cannabis Can Strengthen Bones  (news - 2006)  

Scientists Develop Prototype Drug To Prevent Osteoporosis Based On Cannabinoids Produced By Body  (news - 2006)  
http://www.sciencedaily.com/releases/2006/01/060104232013.htm

New Weapon In Battle Against Osteoporosis  (news - 2006)  
http://www.medicalnewstoday.com/articles/35621.php

Activation of CB2 receptor attenuates bone loss in osteoporosis  (news - 2006)  

Cannabis-like compound prevents bone loss  (news - 2006)  

Regulation of skeletal remodeling by the endocannabinoid system.  (abst - 2007)  

Cannabinoids stimulate fibroblastic colony formation by bone marrow cells indirectly via CB2 receptors.  (abst – 2007)  

Cannabinoid receptors and the regulation of bone mass  (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219540/?tool=pmcentrez

Regulation of Bone Mass, Osteoclast Function, and Ovariectomy-Induced Bone Loss by the Type 2 Cannabinoid Receptor  (full - 2008)  

The cannabinoid CB1 receptor regulates bone formation by modulating adrenergic signaling.  (full - 2008)  
http://www.fasebj.org/cgi/content/full/22/1/285

Role of cannabinoid receptors in bone disorders: alternatives for treatment  (abst - 2008)  

The putative cannabinoid receptor GPR55 affects osteoclast function in vitro and bone mass in vivo (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2737440/?tool=pubmed


Cannabis may prevent osteoporosis (news - 2009) http://news.bbc.co.uk/2/hi/uk_news/scotland/edinburgh_and_east/8199007.stm

Hypothalamic regulation of bone. (full – 2010) http://jme.endocrinology-journals.org/cgi/content/full/45/4/175

Cannabinoid Receptors as Target for Treatment of Osteoporosis: A Tale of Two Therapies (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3001217/?tool=pubmed


Endocannabinoids Are Expressed in Bone Marrow Stromal Niches and Play a Role in Interactions of Hematopoietic Stem and Progenitor Cells with the Bone Marrow Microenvironment (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2975171/?tool=pubmed


Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/


The Type 2 Cannabinoid Receptor Regulates Bone Mass and Ovariectomy-Induced Bone Loss by Affecting Osteoblast Differentiation and Bone Formation (full – 2011) http://press.endocrine.org/doi/full/10.1210/en.2010-0930


The role of cannabinoid receptors in bone remodeling in a CB1/2 double knockout mouse (abst – 2011) http://www.fasebj.org/cgi/content/meeting_abstract/25/1_MeetingAbstracts/492.5?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&sortspec=date&resourcetype=HWCIT


Role of cannabinoids in the regulation of bone remodeling (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3499879/


Magnolol Ameliorates Ligature-Induced Periodontitis in Rats and Osteoclastogenesis: In Vivo and In Vitro Study (full – 2013) http://www.hindawi.com/journals/ecam/2013/634095/

Increase of mesenchymal stem cell migration by Cannabidiol via activation of p42/44 MAPK.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24304686

Modulation of Strain-Specific Differences in Gene Expression by Cannabinoid Type 2 Receptor Deficiency.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24370613

**OVARIAN CYSTS**


**OVERDOSES on CANNABINOIDS**  * - also see CANNABINOID HYPEREMESIS, SPICE


Inadvertent ingestion of marijuana - Los Angeles, California, 2009  (full - 2009)  http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5834a2.htm


Accidental cannabis poisoning in children: report of four cases in a tertiary care center from southern Spain  (abst – 2011)  http://www.unboundmedicine.com/medline/ebm/record/21283933/abstract/%5BAccidental_cannabis_poisoning_in_children:_report_of_four_cases_in_a_ternary_care_center_from_southern_Spain%5D

Prolonged coma in a child due to hashish ingestion with quantitation of THC metabolites in urine.  (abst – 2011)
Pharmacological interventions in the treatment of the acute effects of cannabis: a systematic review of literature (full – 2012) http://www.harmreductionjournal.com/content/9/1/7


OVERVIEWS *


Cannabinoids: A New Group of Agonists of PPARs (full – 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2220031/?tool=pubmed


**PAIN**

Most pain patients gain benefit from cannabis in a British study (news - 2000)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=84#1

Therapeutic aspects of cannabis and cannabinoids. (full - 2001)
http://bjp.rcpsych.org/cgi/content/full/178/2/107

Are cannabinoids an effective and safe treatment option in the management of pain? A qualitative systematic review (full - 2001)
http://www.ukcia.org/research/EffectiveTreatmentOptionForPain.pdf
Therapeutic Aspects of Cannabis and Cannabinoids (full - 2001)

Administration of Endocannabinoids Prevents a Referred Hyperalgesia Associated With Inflammation of the Urinary Bladder (full – 2001)

Tetrahydrocannabinol for treatment of chronic pain (abst - 2001)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=147

The Role of Cannabis and Cannabinoids in Pain Management (full – 2002)
http://www.humanhemphealth.ca/Russo-AAPM_chapter.pdf

A Dramatic Response to Inhaled Cannabis in a Woman with Central Thalamic Pain and Dystonia (full - 2002)
http://www.jpsmjournal.com/article/PIIS08853924(02)004268/fulltext

CB2 cannabinoid receptor agonists: pain relief without psychoactive effects? (abst - 2002)

The Pharmacology of Cannabinoid Derivatives: Are There Applications to Treatment of Pain? (abst – 2002)

Endocannabinoids and related fatty acid derivatives in pain modulation. (abst – 2002)

A preliminary controlled study to determine whether whole-plant cannabis extracts can improve intractable neurogenic symptoms (full - 2003)
http://www.ukcia.org/research/WholePlantExtractsImproveNeurogenicSymptoms.pdf

http://www.jpsmjournal.com/article/S0885-3924(03)00142-8/fulltext

Inhibition of Inflammatory Hyperalgesia by Activation of Peripheral CB2 Cannabinoid Receptors (full – 2003)

Cannabis and Pain Management (article - 2003)
http://www.letfreedomgrow.com/articles/can030828.htm

Topical cannabinoid enhances topical morphine antinociception. (abst - 2003)

http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=91
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=61

Cannabis Use in HIV for Pain and Other Medical Symptoms      (full - 2004)  
http://www.iipsnjournal.com/article/S0885-3924(05)00063-1/fulltext

http://jpet.aspetjournals.org/content/310/2/620.long

Are oral cannabinoids safe and effective in refractory neuropathic pain?  
(abst - 2004)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=143

Ajulemic acid: A novel cannabinoid produces analgesia without a “high”  
(abst - 2004)  

Cannabinoids called equivalent to codeine for killing pain      (news - 2004)  
http://www.thefreelibrary.com/Cannabinoids+called+equivalent+to+codeine+for+killing+pain.-a0120185689

High hopes for cannabinoid analgesia       (news - 2004)  
http://www.bmj.com/cgi/content/full/329/7460/257?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=2880&resourcetype=HWCIT

Marijuana-like compounds may aid array of debilitating conditions ranging from Parkinson's to pain       (news – 2004)  

Chronic Pain and Cannabinoids       (full – 2005)  
http://www.drkoprp.com/pdfs/fibromyalgia/CannabinoidsPPM.pdf

CB2 cannabinoid receptor activation produces antinociception by stimulating peripheral release of endogenous opioids  
(full - 2005)  
http://www.pnas.org/content/102/8/3093.full

Ajulemic acid (IP-751): Synthesis, proof of principle, toxicity studies, and clinical trials  
(full - 2005)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2751505/?tool=pubmed

Analgesia through endogenous cannabinoids       (analysis - 2005)  
http://www.cmaj.ca/cgi/content/full/173/4/357?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=endocannabinoid&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=date&resourcetype=HWCIT

The analgesic activity of paracetamol is prevented by the blockade of cannabinoid CB1 receptors      (abst – 2005)  

Targeted lipidomics: fatty acid amides and pain modulation.      (abst – 2005)  


Actions of the FAAH inhibitor URB597 in neuropathic and inflammatory chronic pain models (full - 2006) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1751298/?tool=pmcentrez


Delta-9-THC based monotherapy in fibromyalgia patients on experimentally induced pain, axon reflex flare, and pain relief  (abst - 2006)

Benefits of an add-on treatment with the synthetic cannabinomimetic nabilone on patients with chronic pain - a randomized controlled trial.  (abst - 2006)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=197

Synergistic affective analgesic interaction between delta-9-tetrahydrocannabinol and morphine.  (abst - 2006)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=178

Cannabinoid–imporgan cross-tolerance: Imporgan is a cannabinomimetic analgesic lacking affinity at the cannabinoid CB1 receptor  (abst – 2006)

Local interactions between anandamide, an endocannabinoid, and ibuprofen, a nonsteroidal anti-inflammatory drug, in acute and inflammatory pain  (abst - 2006)


In MedPanel Summit, Leading Pain Experts Name Cannabinoids Among Most Promising Approaches to Treating Neuropathic Pain, Assert That Sociopolitical Climate Will Hamper Drug Approvals  (news - 2006)

Cannabis effective at relieving pain after major surgery  (news - 2006)
http://www.news-medical.net/?id=17995

Cross-sensitization and cross-tolerance between exogenous cannabinoid antinociception and endocannabinoid-mediated stress-induced analgesia  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2771679/?tool=pubmed

Low dose combination of morphine and Δ9-tetrahydrocannabinol circumvents antinociceptive tolerance and apparent desensitization of receptors  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2040345/

Antinociceptive Synergy Between the Cannabinoid Receptor Agonist WIN 55,212-2 and Bupivacaine in the Rat Formalin Test  (full - 2007)
http://journals.lww.com/anesthesia-analgesia/Fulltext/2007/03000/Antinociceptive_Synergy_Between_the_Cannabinoid.50.aspx

Dose-dependent effects of smoked cannabis on capsaicin-induced pain and hyperalgesia in healthy volunteers.  (full - 2007)
Endocannabinoid metabolism and uptake: novel targets for neuropathic and inflammatory pain  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190014/?tool=pubmed

Cannabinoids mediate analgesia largely via peripheral type 1 cannabinoid receptors in nociceptors  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2234438/

Continuous infusion of the cannabinoid WIN 55,212–2 to the site of a peripheral nerve injury reduces mechanical and cold hypersensitivity  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2013951/?tool=pmcentrez

CB1 receptors mediate the analgesic effects of cannabinoids on colorectal distension-induced visceral pain in rodents.  (full – 2007)  http://www.jneurosci.org/content/29/5/1554.long


Therapeutic potential of cannabis in pain medicine  (full - 2008)  http://bja.oxfordjournals.org/content/101/1/59.full.pdf+html

Cannabinoids in the management of difficult to treat pain  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2503660/?tool=pmcentrez

Repeated Cannabinoid Injections into the Rat Periaqueductal Gray Enhances Subsequent Morphine Antinociception  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2743428/?tool=pmcentrez


Cannabinoid Modulation of Cutaneous A{delta} Nociceptors During Inflammation  (full - 2008) http://jn.physiology.org/cgi/reprint/100/5/2794


Marijuana-Based Drug Reduces Fibromyalgia Pain, Study Suggests  (news - 2008) http://www.sciencedaily.com/releases/2008/02/080217214547.htm


Cannabinislike Drugs May Hold Key to Treating Pain While Bypassing the Brain  (news – 2008) http://jama.jamanetwork.com/article.aspx?articleid=182826


Dynamic regulation of the endocannabinoid system: implications for analgesia  (full - 2009) http://www.molecularpain.com/content/5/1/59

Endocannabinoids and the gastrointestinal tract: what are the key questions?  (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190011/
The endocannabinoid system and pain.  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2834283/?tool=pmcentrez

Cannabinoids: An emerging role in pain management?  (full - 2009)  

Standardized natural product cannabis in pain management and observations at a Canadian compassion society: a case report  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2740265/?tool=pmcentrez

Dose Dependent effects of Celecoxib on CB-1 Agonist Induced Antinociception in mice  (full – 2009)  

Systematic Review and Meta-analysis of Cannabis Treatment for Chronic Pain.  (abst - 2009)  

Interaction of the cannabinoid and opioid systems in the modulation of nociception.  (abst - 2009)  

The analgesic potential of cannabinoids.  (abst - 2009)  

Charactersitics of patients with chronic pain accessing treatment with medical cannabis in Washington State.  (abst - 2009)  

Endogenous anandamide and cannabinoid receptor-2 contribute to electroacupuncture analgesia in rats.  (abst – 2009)  

Endocannabinoids, Closely Related To Active Ingredients In Cannabis Plant, Can Promote Pain  (news - 2009)  

Evidence for a Role of Endocannabinoids, Astrocytes and p38 Phosphorylation in the Resolution of Postoperative Pain  (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2878341/?tool=pmcentrez

Anandamide suppresses pain initiation through a peripheral endocannabinoid mechanism  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3260554/?tool=pubmed

Adjuvant topical therapy with a cannabinoid receptor agonist in facial postherpetic neuralgia.  (abst - 2010)  
Dronabinol for the treatment of unspecific pain, restlessness and spasticity in neuropaediatrics (abst – 2010)


Pain target enzyme's working made crystal clear (news – 2010) http://www.rsc.org/chemistryworld/News/2010/May/26051001.asp


Marijuana better than pharmaceuticals at treating chronic pain, improving mood (news - 2010) http://www.naturalnews.com/029662_marijuana_chronic_pain.html


A catalytically silent FAAH-1 variant drives anandamide transport in neurons. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3245783/


Palmitoylethanolamide reduces granuloma-induced hyperalgesia by modulation of mast cell activation in rats (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3034677/?tool=pubmed

Cannabinoid CB2 Receptors Contribute to Upregulation of β-endorphin in Inflamed Skin Tissues by Electroacupuncture (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3281798/

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/
The Central Role of Glia in Pathological Pain and the Potential of Targeting the Cannabinoid 2 Receptor for Pain Relief  (full – 2011)

Non-psychoactive cannabinoids modulate the descending pathway of antinociception in anaesthetized rats through several mechanisms of action  (full– 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3041249/

Sex Differences in Cannabinoid 1 vs. Cannabinoid 2 Receptor-Selective Antagonism of Antinociception Produced by Δ9-Tetrahydrocannabinol and CP55,940 in the Rat (full – 2011)  http://jpet.aspetjournals.org/content/340/3/787.full

Pharmacological characterization of AM1710, a putative cannabinoid CB(2) agonist from the cannabialactone class: Antinociception without central nervous system side-effects. (full – 2011)

Treating pain in multiple sclerosis.  (abst – 2011)


Cannabis in Palliative Medicine: Improving Care and Reducing Opioid-Related Morbidity  (abst - 2011)  http://ajh.sagepub.com/content/28/5/297

Cannabinoid-opioid interaction in chronic pain.  (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/22048225/abstract/Cannabinoid_opioid_interaction_in_chronic_pain

Antinociception and sedation following intracerebroventricular administration of Δ⁹-tetrahydrocannabinol in female vs. male rats.  (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/20692296/abstract/Antinociception_and_sedation_following_intracerebroventricular_administration_of_%CE%94%E2%81%B9_tetrahydrocannabinol_in_femail_vs__male_rats

Fatty acid amide hydrolase blockade attenuates the development of collagen-induced arthritis and related thermal hyperalgesia in mice.  (abst - 2011)


Marijuana, Narcotics Help Patients Reduce Chronic Pain, Study Finds  (news – 2011)


Medical Marijuana: Clearing Away the Smoke (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3358713/


Mechanistic and Pharmacological Characterization of PF-04457845: A Highly Potent and Selective Fatty Acid Amide Hydrolase Inhibitor That Reduces Inflammatory and Noninflammatory Pain (full – 2012) http://jpet.aspetjournals.org/content/338/1/114.full

The fatty acid amide hydrolase (FAAH) inhibitor PF-3845 acts in the nervous system to reverse LPS-induced tactile allodynia in mice (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3423256/
Neonatal DSP-4 Treatment Modifies Antinociceptive Effects of the CB(1) Receptor Agonist Methanandamide in Adult Rats. (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3526738/

The Therapeutic Potential of Cannabis and Cannabinoids  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3442177/

Cannabinoid type-1 receptor reduces pain and neurotoxicity produced by chemotherapy. (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3366638/

The maintenance of cisplatin- and paclitaxel-induced mechanical and cold allodynia is suppressed by cannabinoid CB2 receptor activation and independent of CXCR4 signaling in models of chemotherapy-induced peripheral neuropathy  (full – 2012)  
http://www.molecularpain.com/content/8/1/71

Therapeutic utility of palmitoylethanolamide in the treatment of neuropathic pain associated with various pathological conditions: a case series  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3500919/

Pharmacological characterization of the peripheral FAAH inhibitor URB937 in female rodents: interaction with the Abcg2 transporter in the blood-placenta barrier (full – 2012)  

Targeting Fatty Acid Binding Protein (FABP) Anandamide Transporters – A Novel Strategy for Development of Anti-Inflammatory and Anti-Nociceptive Drugs (full – 2012)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0050968

Endocannabinoids in nervous system health and disease: the big picture in a nutshell (full – 2012)  
http://rstb.royalsocietypublishing.org/content/367/1607/3193.full

Dynamic changes to the endocannabinoid system in models of chronic pain (full – 2012)  
http://rstb.royalsocietypublishing.org/content/367/1607/3300.full?sid=1569c370-cd5c-4358-89ff-857201f5e069

Monoacylglycerol lipase – a target for drug development? (full – 2012)  

Intrathecal cannabialactone CB(2)R agonist, AM1710, controls pathological pain and restores basal cytokine levels.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3603341/

Cannabinoids and muscular pain. Effectiveness of the local administration in rat. (abst – 2012)  

Behavioral effects of pulp exposure in mice lacking cannabinoid receptor 2. (abst – 2012)  


The interaction between intrathecal administration of low doses of palmitoylethanolamide and AM251 in formalin-induced pain related behavior and spinal cord IL1-β expression in rats.  (abst – 2012)  http://www.ncbi.nlm.nih.gov/pubmed/22201038


Effects of gonadal hormones on the peripheral cannabinoid receptor 1 (CB1R) system under a myositis condition in rats.  (abst – 2012)  http://www.ncbi.nlm.nih.gov/pubmed/22940464

Electroacupuncture reduces the expression of proinflammatory cytokines in inflamed skin tissues through activation of cannabinoid CB2 receptors.  (abst – 2012)  http://www.ncbi.nlm.nih.gov/pubmed/22337285


Cannabinoid Shown Effective as Adjuvant Analgesic for Cancer Pain  (news - 2012)  http://www.sciencedaily.com/releases/2012/06/120604142426.htm

Cannabinoid formulation benefits opioid-refractory pain  (news – 2012)
Cannabis as Painkiller  (news – 2012)
http://www.sciencedaily.com/releases/2012/08/120807101232.htm

Cannabis can make pain less bothering  (news – 2012)
http://in.news.yahoo.com/cannabis-pain-less-bothering-065147441.html

Interactions between mu opioid receptor agonists and cannabinoid receptor agonists in rhesus monkeys: antinociception, drug discrimination, and drug self-administration.  (full – 2013)   http://jpet.aspetjournals.org/content/early/2013/03/27/jpet.113.204099.long

The role of endocannabinoids in pain modulation.  (full – 2013)

Differential modulation of nociceptive versus non-nociceptive synapses by endocannabinoids.  (full – 2013)

The Major Brain Endocannabinoid 2-AG Controls Neuropathic Pain and Mechanical Hyperalgesia in Patients with Neuromyelitis Optica.  (full – 2013)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0071500

Role of endogenous cannabionoid system in the gut.  (full - 2013)

Treatment of chronic regional pain syndrome type 1 with palmitoylethanolamide and topical ketamine cream: modulation of nonneuronal cells  (full - 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3643547/

The monoacylglycerol lipase inhibitor JZL184 suppresses inflammatory pain in the mouse carrageenan model.  (full – 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3717616/

Cannabinoid CB2 Receptors Regulate Central Sensitization and Pain Responses Associated with Osteoarthritis of the Knee Joint.  (full – 2013)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0080440

The cannabinoid CB2 receptor-selective phytocannabinoid beta-caryophyllene exerts analgesic effects in mouse models of inflammatory and neuropathic pain.  (full – 2013)
http://www.europeanneuropsychopharmacology.com/article/S0924-977X%2813%2900302-7/fulltext

Analgesic effect of a mixed T-type channel inhibitor/CB2 receptor agonist  (full – 2013)   http://www.molecularpain.com/content/9/1/32

On the g-protein-coupled receptor heteromers and their allosteric receptor-receptor interactions in the central nervous system: focus on their role in pain modulation.

Different Classes of CB2 Ligands Potentially Useful in the Treatment of Pain (link to PDF – 2013) [Link to Eurekaselect](http://www.eurekaselect.com/108399/article)

Interactions between mu opioid receptor agonists and cannabinoid receptor agonists CP55940 and WIN55212-2 in rhesus monkeys: evaluation of treatment- and abuse-related effects (abst – 2013) [Link to FASEB](http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1097.3?sid=7a3e6978-9a8c-4319-bca1-9f80fed2445f)


Repeated Low Dose Administration of the Monoacylglycerol Lipase Inhibitor JZL184 Retains CB1 Receptor Mediated Antinociceptive and Gastroprotective Effects. (abst – 2013) [Link to PubMed](http://www.ncbi.nlm.nih.gov/pubmed/23412396)

Dissociation of the Pharmacological Effects of THC by mTOR Blockade. (abst – 2013) [Link to PubMed](http://www.ncbi.nlm.nih.gov/pubmed/23358238)


Cannabinoid receptors and pain (abst – 2013) [Link to PubMed](http://www.ncbi.nlm.nih.gov/pubmed/23623250)


Effects of the cannabinoid 2 receptor-selective agonist GW405833 in assays of acute pain-stimulated and pain-depressed behavior in rats  
[abst – 2013] 
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/886.9?sid=eea722c0-971c-4d4a-a8b8c-38c0e63c19ad

Anandamide inhibits proliferation of oral squamous cell carcinoma  
[abst – 2013] 
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/729.16?sid=eea722c0-971c-4d4a-a8b8c-38c0e63c19ad

Inflammatory signaling as a therapeutic target for the treatment of breast cancer-induced bone pain.  
[abst – 2013] 
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/887.10?sid=eea722c0-971c-4d4a-a8b8c-38c0e63c19ad

Sex differences in anti-allodynic, anti-hyperalgesic and anti-edema effects of Δ9-tetrahydrocannabinol in the rat.  

Pro-resolution, protective and anti-nociceptive effects of a cannabis extract in the rat gastrointestinal tract.  

CB1 Cannabinoid Receptor Agonist Prevents NGF-Induced Sensitization of TRPV1 in Sensory Neurons.  

CB1 and CB2 contribute to antinociceptive and anti-inflammatory effects of electroacupuncture on experimental arthritis of the rat temporomandibular joint.  

The use of cannabinoids in chronic pain.  

Pharmacology of Cannabinoid Receptor Agonists and a Cyclooxygenase-2 Inhibitor in Rat Bone Tumor Pain.  

Metabolomics uncovers dietary omega-3 fatty acid-derived metabolites implicated in anti-nociceptive responses after experimental spinal cord injury.  

The role of androgen receptor in transcriptional modulation of cannabinoid receptor type 1 gene in rat trigeminal ganglia.  

The oral administration of trans-caryophyllene attenuates acute and chronic pain in mice.  

Anandamide produced by Ca2+-insensitive enzymes induces excitation in primary sensory neurons.  


Pot a Common Remedy to Ease Back Pain (news – 2013) http://www.medpagetoday.com/MeetingCoverage/AdditionalMeetings/42228


Should Your Aging Parent Try Medical Marijuana? (news/anecdotal – 2013)
A Systems Pharmacology Perspective on the Clinical Development of Fatty Acid Amide Hydrolase Inhibitors for Pain (full – 2014) 
http://www.nature.com/psp/journal/v3/n1/full/psp201372a.html

Selective inhibition of FAAH produces antidiarrheal and antinociceptive effect mediated by endocannabinoids and cannabinoid-like fatty acid amides. (abst – 2014) 

Involvement of the endocannabinoid system in osteoarthritis pain. (abst – 2014) 

No more pain upon Gq-protein-coupled receptor activation: role of endocannabinoids. (abst – 2014) 

Microinjection of 2-arachidonoyl glycerol into the rat ventral hippocampus differentially modulates contextually induced fear, depending on a persistent pain state. (abst – 2014) 

Neurotrophins, endocannabinoids and thermo-transient receptor potential: a threesome in pain signalling. (abst – 2014) 

Anandamide in primary sensory neurons: too much of a good thing? (abst – 2014) 

Heterogeneous presynaptic distribution of monoacylglycerol lipase, a multipotent regulator of nociceptive circuits in the mouse spinal cord. (abst – 2014) 

Drugs Related to Cannabis Have Pain-Relieving Potential for Osteoarthritis (news – 2014) 
http://wwwsciencedailycom/releases201401/140107092825htm

Synthetic cannabinoid molecule created for osteoarthritis (news – 2014) 
http://wwwnews-medicalnet/news20140107/Synthetic-cannabinoid-molecule-created-for-osteoarthritisaspx

PANCREAS/ PANCREATITIS

Pancreatitis & Medical Marijuana (article - undated) 
http://onlinepotorg/medical/pancreatitishtm
The cannabinoid 1 receptor antagonist, AM251, prolongs the survival of rats with severe acute pancreatitis. (full - 2005) https://www.jstage.jst.go.jp/article/tjem/207/2/207_2_99/_pdf


Cannabinoids ameliorate pain and reduce disease pathology in cerulein-induced acute pancreatitis (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2268094/?tool=pubmed


Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects (abst – 2008) http://gut.bmj.com/content/57/8/1140.abstract


Expression and function of cannabinoid receptors in mouse islets. (full – 2010) http://www.landesbioscience.com/journals/islets/LiISLETS2-5.pdf

Cannabinoid Receptors are Coupled to Stimulation of Insulin Secretion from Mouse MIN6 ß-cells (full – 2010) http://www.karger.com/Article/Pdf/320527

G1359A polymorphism of the cannabinoid receptor gene (CNR1) and clinical results of biliopancreatic diversion (link to PDF – 2010) http://www.europeanreview.org/article/724


The role of the endocannabinoid system in islet biology. (abst – 2011)  

The CB-1 Receptor Antagonist Rimonabant Modulates the Interaction Between Adipocytes and Pancreatic Beta-Cells in Vitro (abst – 2011)  

Effects of CP 55,940-agonist of CB1 cannabinoid receptors on ghrelin and somatostatin producing cells in the rat pancreas. (full – 2012)  
http://czasopisma.viamedica.pl/fhc/article/view/18705/14714

Cannabinoid HU210 Protects Isolated Rat Stomach against Impairment Caused by Serum of Rats with Experimental Acute Pancreatitis. (full - 2012)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0052921

Islet protection and amelioration of diabetes type 2 in Psammomys obesus by treatment with cannabidiol (link to PDF - 2012)  

Cannabis exposure associated with weight reduction and β-cell protection in an obese rat model. (abst – 2012)  

Activation of Cannabinoid Receptor 2 reduces inflammation in acute experimental pancreatitis via intra-acinar activation of p38 and MK2-dependent mechanisms. (abst – 2012)  

Cannabinoid HU210 Protects Isolated Rat Stomach against Impairment Caused by Serum of Rats with Experimental Acute Pancreatitis (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0052921

Cannabis Care: Manchester grandmother fears getting caught for using marijuana, waits anxiously for bill to pass (news – 2013)  

A Role for Trans-caryophyllene in the Moderation of Insulin Secretion. (abst – 2014)  

**PARKINSON'S DISEASE** *

Enhanced levels of endogenous cannabinoids in the globus pallidus are associated with a reduction in movement in an animal model of Parkinson’s disease (full - 2000)  
http://www.fasebj.org/content/14/10/1432.full.pdf+html
Control of the cell survival/death decision by cannabinoids. (abst – 2001)

Experimental parkinsonism alters endocannabinoid degradation: implications for striatal glutamatergic transmission. (full – 2002) http://www.jneurosci.org/content/22/16/6900.long

(Assignee (owner)- the US GOVERNMENT!)
http://www.patentstorm.us/patents/6630507/fulltext.html

Therapeutic potential of cannabinoids in CNS disease. (abst - 2003)

Cannabis trial on Parkinson's (news - 2003)
http://news.bbc.co.uk/2/hi/uk_news/england/devon/2956273.stm

http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=33

Marijuana Compounds May Aid Parkinson's Disease (news - 2004)

Depression in Parkinson's disease is related to a genetic polymorphism of the cannabinoid receptor gene (CNR1) (full - 2005)
http://www.nature.com/tpj/journal/v5/n2/full/6500301a.html

Cannabinoids provide neuroprotection against 6-hydroxydopamine toxicity in vivo and in vitro: relevance to Parkinson's disease. (abst - 2005)

Cannabinoid control of motor function at the basal ganglia. (abst – 2005)

Cannabinoids In Medicine: A Review Of Their Therapeutic Potential (full – 2006)

Anti-dyskinetic effects of cannabinoids in a rat model of Parkinson's disease: role of CB1 and TRPV1 receptors (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2128772/?tool=pmcentrez

The endocannabinoid system in targeting inflammatory neurodegenerative diseases (full - 2007)
http://www.academia.edu/5172933/The_endocannabinoid_system_in_targeting_inflammatory_neurodegenerative_diseases


WIN55,212-2, a Cannabinoid Receptor Agonist, Protects Against Nigrostriatal Cell Loss in the MPTP Mouse Model of Parkinson’s Disease (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2755595/?tool=pubmed


Cannabinoid–Dopamine Interaction in the Pathophysiology and Treatment of CNS Disorders (full – 2010)  

Enhancement of endocannabinoid signaling by fatty acid amide hydrolase inhibition: a neuroprotective therapeutic modality. (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2848893/?tool=pubmed

Cannabinoids and Dementia: A Review of Clinical and Preclinical Data (link to PDF – 2010)  

Loss of cannabinoid CB1 receptor expression in the 6-hydroxydopamine-induced nigrostriatal terminal lesion model of Parkinson's disease in the rat. (abst – 2010)  

Cannabinoid receptor agonist protects cultured dopaminergic neurons from the death by the proteasomal dysfunction. (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3145842/?tool=pubmed

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Prospects for cannabinoid therapies in basal ganglia disorders. (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165947/

Symptom-relieving and neuroprotective effects of the phytocannabinoid D(9) -THCV in animal models of Parkinson’s disease (full – 2011)  

Cannabinoid Receptor Type 1 Protects Nigrostriatal Dopaminergic Neurons against MPTP Neurotoxicity by Inhibiting Microglial Activation. (full – 2011)  
http://www.jimmunol.org/content/187/12/6508.full?sid=c3422dd2-7ad0-42e4-a862-845dc670f7cf

Cannabinoid receptor signalling in neurodegenerative diseases: a potential role for membrane fluidity disturbance. (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165948/

Therapeutic Potential of Cannabinoids in the Treatment of Neuroinflammation Associated with Parkinson's Disease (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21568925/abstract/Therapeutic_Potential_of_Cannabinoids_in_the_Treatment_of_Neuroinflammation_Associated_with_Parkinson's_Disease

Regional changes in type 1 cannabinoid receptor availability in Parkinson's disease in vivo (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21459482/abstract/Regional_changes_in_type_1_cannabinoid_receptor_availability_in_Parkinson's_disease_in_vivo
Homeostatic changes of the endocannabinoid system in Parkinson's disease.  
(abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21412829/abstract/Homeostatic_changes_of_the_endocannabinoid_system_in_Parkinson%27s_disease

New metabolic pathway for controlling brain inflammation  
(news – 2011)  

The dynamic nature of type 1 cannabinoid receptor (CB1) gene transcription  
(full - 2012)  

The Therapeutic Potential of Cannabis and Cannabinoids  
(full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3442177/

Cannabinoid modulation of neuroinflammatory disorders.  
(full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3386505/

Review article: The endocannabinoid system in normal and pathological brain ageing  
(full – 2012)  
http://rstb.royalsocietypublishing.org/content/367/1607/3326.full?sid=161e7b36-5055-448b-962e-697c782e901d

The cannabinoid agonist WIN55212-2 decreases l-DOPA-induced PKA activation and dyskinetic behavior in 6-OHDA-treated rats.  
(abst – 2012)  

Δ(9) -THC exerts a direct neuroprotective effect in a human cell culture model of Parkinson's disease.  
(abst – 2012)  

The decrease of dopamine D(2)/D(3) receptor densities in the putamen and nucleus caudatus goes parallel with maintained levels of CB(1) cannabinoid receptors in Parkinson's disease: A preliminary autoradiographic study with the selective dopamine D(2)/D(3) antagonist [(3)H]raclopride and the novel CB(1) inverse agonist [(125)I]SD7015.  
(abst – 2012)  

Cannabinoids and value-based decision making: implications for neurodegenerative disorders.  
(abst – 2012)  

Contribution of genetic variants to pain susceptibility in Parkinson disease  
(abst – 2012)  

5 Marijuana Compounds That Could Help Combat Cancer, Alzheimers, Parkinsons (If Only They Were Legal)  
(news – 2012)  
http://www.alternet.org/drugs/5-marijuana-compounds-could-help-combat-cancer-alzheimers-parkinsons-if-only-they-were-legal

Natural Cannabinoids Improve Dopamine Neurotransmission and Tau and Amyloid Pathology in a Mouse Model of Tauopathy.  
(full – 2013)
Striatal Molecular Signature of Subchronic Subthalamic Nucleus High Frequency Stimulation in Parkinsonian Rat. (abst – 2013) [link]

A spontaneous deletion of α-Synuclein is associated with an increase in CB1 mRNA transcript and receptor expression in the hippocampus and amygdala: Effects on alcohol consumption (abst – 2013) [link]

Cannabidiol attenuates catalepsy induced by distinct pharmacological mechanisms via 5-HT1A receptors activation in mice. (abst – 2013) [link]

Therapeutic Potential of Cannabinoids in Neurodegenerative Disorders: A Selective Review. (abst – 2013) [link]

Evaluation of the role of striatal cannabinoid CB1 receptors on movement activity of parkinsonian rats induced by reserpine. (abst – 2013) [link]

Δ9-TETRAHYDROCANNABINOL IS PROTECTIVE THROUGH PPARγ DEPENDENT MITOCHONDRIAL BIOGENESIS IN A CELL CULTURE MODEL OF PARKINSON'S DISEASE. (abst – 2013) [link]

Oleoylethanolamide reduces L-DOPA-induced dyskinesia via TRPV1 receptor in a mouse model of Parkinson’s disease. (abst – 2013) [link]

The Influence of Cannabinoids on Generic Traits of Neurodegeneration. (abst – 2013) [link]

The combination of oral L-DOPA/rimonabant for effective dyskinesia treatment and cytological preservation in a rat model of Parkinson's disease and L-DOPA-induced dyskinesia. (abst – 2013) [link]

Cannabidiol Normalizes Capase 3, Synatophsin, and Mitochondrial Fission Protein DNM1L Expression Levels in Rats with Brain Iron Overload: Implications for Neuroprotection (abst – 2013) [link]

Smoking Pot Eases Tremors in Parkinson's (news – 2013) [link]

L-DOPA disrupts adenosine A2A-cannabinoid CB1-dopamine D2 receptor heteromer cross-talk in the striatum of hemiparkinsonian rats: Biochemical and behavioral studies. (abst – 2014) [link]
PATENTS RELATED TO CANNABIS *


20070151149 - Methods for altering the level of phytochemicals in plant cells by applying wave lengths of light from 400 nm to 700 nm and apparatus therefore (full - 2004) http://www.patentstorm.us/applications/20070151149/fulltext.html


US Patent Application 20050079136 - Aerosol formulations of delta
tetrahydrocannabinol (full – 2005)
http://www.patentstorm.us/applications/20050079136/fulltext.html

US Patent 6949582 - Method of relieving analgesia and reducing inflammation using a
cannabinoid delivery topical liniment (full - 2005)
http://www.patentstorm.us/patents/6949582/fulltext.html

20050070596 - Methods for treatment of inflammatory diseases using CT-3 or analogs

US Patent 6949582 - Method of relieving analgesia and reducing inflammation using a
cannabinoid delivery topical liniment (full - 2005)
http://www.patentstorm.us/patents/6949582/fulltext.html

US Patent Application 20060160888 - Room-temperature stable dronabinol formulations

US Patent 7088914 - Device, method and resistive element for vaporizing a medicament
(full - 2006) http://www.patentstorm.us/patents/7088914/fulltext.html

treating symptoms associated with multiple sclerosis (full - 2006)
http://www.patentstorm.us/applications/20060167084/fulltext.html

US Patent 7025992 - Pharmaceutical formulations (full - 2006)
http://www.patentstorm.us/patents/7025992/fulltext.html

US Patent Application 20060039959 - Film-Shaped Mucoadhesive Administration Forms
For Administering Cannabis Agents (full – 2006)
http://www.patentstorm.us/applications/20060039959/fulltext.html


US Patent 7109245 - Vasoconstrictor cannabinoid analogs (full - 2006)
http://www.patentstorm.us/patents/7109245/fulltext.html

same (full – 2007) http://www.patentstorm.us/applications/20070020193/fulltext.html

20080057117 - PHARMACEUTICAL COMPOSITION MADE UP OF CANNIBUS


Pharmaceutical compositions containing (+) cannabidiol and derivatives thereof and some such novel derivatives (full – 2011)  
http://www.patentstorm.us/patents/7884133/fulltext.html

US Patent Application 20110052694 - USE OF CANNABIDIOL PRODRUGS IN TOPICAL AND TRANSDERMAL ADMINISTRATION WITH MICRONEEDLES (full – 2011)  
http://www.patentstorm.us/applications/20110052694/fulltext.html

US Patent Application 20110073120 - Smoke and Odor Elimination Filters, Devices and Methods (full – 2011)  
http://www.patentstorm.us/applications/20110073120/fulltext.html

http://www.patentstorm.us/applications/20110020945/fulltext.html

http://www.patentstorm.us/applications/20110082195/fulltext.html


Controlled cannabis decarboxylation - Patent US2012046352 (A1) — 2012-02-23 (full – 2012)  


http://www.freshpatents.com/-dt20120105ptan20120004251.php

Process for production of delta-9-tetrahydrocannabinol (full – 2012)  
http://www.patentstorm.us/patents/8106244/fulltext.html


PERINATAL HYPOXIC-ISCHEMIC INJURY – (strokes in infants) - also see STROKES


Synergistic neuroprotective therapies with hypothermia.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2892736/?tool=pubmed

The neuroprotective effect of cannabidiol in an in vitro model of newborn hypoxic-ischemic brain damage in mice is mediated by CB(2) and adenosine receptors.  (abst – 2010)  

The cannabinoid WIN55212-2 promotes neural repair after neonatal hypoxia-ischemia.  (abst - 2010)  

Cannabidiol reduces brain damage and improves functional recovery after acute hypoxia-ischemia in newborn pigs.  (abst – 2011)  


Mechanisms Of Cannabidiol Neuroprotection In Hypoxic-Ischemic Newborn Pigs: Role Of 5HT1A And CB2 Receptors. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23587650

**PHARC/ POLYNEUROPATHY, HEARING LOSS, ATAXIA, RETINITIS PIGMENTOSA, and CATARACT SYNDROME**

Mutations in ABHD12 cause the neurodegenerative disease PHARC: An inborn error of endocannabinoid metabolism. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2933347/?tool=pubmed


Targeted next-generation sequencing identifies a homozygous nonsense mutation in ABHD12, the gene underlying PHARC, in a family clinically diagnosed with Usher syndrome type 3 (full – 2012) http://www.ojrd.com/content/7/1/59


**PLACEBO EFFECT**


Endocannabinoids Pitch In for Placebo Effect  (news – 2011)

The Neurobiology of Placebo and Nocebo: How Expectations Influence Treatment Outcomes  (full – 2013)
http://neuro.psychiatryonline.org/article.aspx?articleid=1770382&resultClick=1

FAAH selectively influences placebo effects.  (abst – 2013)

Nocebo and placebo modulation of hypobaric hypoxia headache involves the cyclooxygenase-prostaglandins pathway.  (abst – 2014)

**POISONING – HEAVY METAL**

Protective effect of cannabidiol against cadmium hepatotoxicity in rats.  (abst – 2013)

The neuroprotective role of endocannabinoids against chemical-induced injury and other adverse effects.  (abst – 2013)

Marijuana May Protect Liver Against Toxic Pesticide  (news – 2013)
http://www.leafscience.com/2013/09/07/marijuana-may-protect-liver-against-toxic-pesticide/

**POISONING - ORGANOPHOSPHATE**

Cannabinoid CB1 receptor as a target for chlorpyrifos oxon and other organophosphorus pesticides.  (abst – 2002)

Modulation of paraoxon toxicity by the cannabinoid receptor agonist WIN 55,212-2.  (abst – 2006)

Monoacylglycerol lipase inhibition by organophosphorus compounds leads to elevation of brain 2-arachidonoylglycerol and the associated hypomotility in mice.  (abst – 2006)

Pharmacological enhancement of endocannabinoid signaling reduces the cholinergic toxicity of diisopropylfluorophosphate.  (full – 2008)
Organophosphate-sensitive lipases modulate brain lysophospholipids, ether lipids and endocannabinoids. (full – 2008)

Activation of the endocannabinoid system by organophosphorus nerve agents (abst - 2008)

Behavioral sequelae following acute diisopropylfluorophosphate intoxication in rats: comparative effects of atropine and cannabinomimetics. (full – 2010)

Cannabinoid Receptor Agonist WIN-55,212-2 Protects Differentiated PC12 Cells From Organophosphorus-Induced Apoptosis (abst – 2010)

Activity-based protein profiling of organophosphorus and thiocarbamate pesticides reveals multiple serine hydrolase targets in mouse brain. (full – 2011)

Comparative effects of chlorpyrifos in wild type and cannabinoid Cb1 receptor knockout mice. (full – 2011)

Effect of Developmental Chlorpyrifos Exposure on Endocannabinoid Metabolizing Enzymes in the Brain of Juvenile Rats. (full – 2011)

Induction of Endocannabinoid Levels in Juvenile Rat Brain Following Developmental Chlorpyrifos Exposure. (abst – 2013)

Neuroactive insecticides: targets, selectivity, resistance, and secondary effects. (abst – 2013)

Comparative effects of parathion and chlorpyrifos on extracellular endocannabinoid levels in rat hippocampus: Influence on cholinergic toxicity. (abst – 2013)

Organophosphate agents induce plasma hypertriglyceridemia in mouse via single or dual inhibition of the endocannabinoid hydrolyzing enzyme(s). (abst – 2013)

Low Level Chlorpyrifos Exposure Increases Anandamide Accumulation in Juvenile Rat Brain in the Absence of Brain Cholinesterase Inhibition. (abst – 2013)

The neuroprotective role of endocannabinoids against chemical-induced injury and other adverse effects. (abst – 2013)
Organophosphate agents induce plasma hypertriglyceridemia in mouse via single or dual inhibition of the endocannabinoid hydrolyzing enzyme(s). (abst – 2014)

POISONING – PARAQUAT *

Paraquat induces apoptosis in human lymphocytes: protective and rescue effects of glucose, cannabinoids and insulin-like growth factor-1. (abst – 2008)


Protective effects of the synthetic cannabinoids CP55,940 and JWH-015 on rat brain mitochondria upon paraquat exposure. (abst – 2010)

PORPHYRIA

Porphyria by Colin (anecdotal – undated)
http://rxmarijuana.com/shared_comments/Porphyria.htm

Porphyria by Sharon Place (anecdotal – undated)
http://rxmarijuana.com/shared_comments/Porphyria2.htm

Effects of repeated administration with CP-55,940, a cannabinoid CB1 receptor agonist on the metabolism of the hepatic heme. (abst – 2005)

Medical Marijuana and Porphyria (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/53?ailment=porphyria

Porphyria—Alternative Symptom Treatments (news – 2011)
http://medicalmarijuana.com/medical-marijuana-treatments/Porphyria-Alternative-Symptom-Treatments
**POST-OPERATIVE PAIN**


A multicenter dose-escalation study of the analgesic and adverse effects of an oral cannabis extract (Cannador) for postoperative pain management. (full - 2006)  [http://journals.lww.com/anesthesiology/Fulltext/2006/05000/A_Multicenter_Dose_escalation_Study_of_th e.21.aspx](http://journals.lww.com/anesthesiology/Fulltext/2006/05000/A_Multicenter_Dose_escalation_Study_of_th e.21.aspx)


Spinal cannabinoid receptor type 2 activation reduces hypersensitivity and spinal cord glial activation after paw incision. (full - 2007)  [http://journals.lww.com/anesthesiology/Fulltext/2007/04000/Spinal_Cannabinoid_Receptor_Type_2_Activ ation.21.aspx](http://journals.lww.com/anesthesiology/Fulltext/2007/04000/Spinal_Cannabinoid_Receptor_Type_2_Activ ation.21.aspx)


Evidence for a Role of Endocannabinoids, Astrocytes and p38 Phosphorylation in the Resolution of Postoperative Pain (full - 2010)  [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2878341/?tool=pmcentrez](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2878341/?tool=pmcentrez)


**POST POLIO SYNDROME**
POST TRAUMATIC STRESS DISORDER/ PTSD

Never fear, cannabinoids are here   (article - 2002)  
http://mcforadhd.free.fr/naturefear.pdf

The endogenous cannabinoid system controls extinction of aversive memories.  

'Natural' cannabis manages memory   (news - 2002)  
http://news.bbc.co.uk/2/hi/health/2163405.stm

Study: Marijuana Eases Traumatic Memories   (news - 2002)  

Natural High Erases Bad Memories   (news - 2002)  

Cannabis-like Brain Chemical Blocks Out Bad Memories   (news - 2002)  
http://www.scientificamerican.com/article.cfm?id=cannabis-like-brain-chemi

Endocannabinoids extinguish bad memories in the brain   (news - 2002)  
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=123#1

Marijuana-Like Compound Banishes Fear   (news - 2002)  

Natural high helps banish bad memories   (news - 2002) (may need registration)  

Israel to soothe soldiers with marijuana   (news - 2004)  

Enhancing Cannabinoid Neurotransmission Augments the Extinction of Conditioned Fear  

Cannabinoid CB1 Receptor Mediates Fear Extinction via Habituation-Like Processes  
(full - 2006)  http://www.jneurosci.org/cgi/content/full/26/25/6677?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=400&resourcetype=HWCTT
Aversive memory reactivation engages in the amygdala only some neurotransmitters involved in consolidation.  (full – 2006)  http://learnmem.cshlp.org/content/13/4/426.long


Modulation of Fear and Anxiety by the Endogenous Cannabinoid System  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2789283/?tool=pmcentrez


Cannabis for the Wounded - Another Walter Reed Scandal  (news - 2007)  http://www.libertypost.org/cgi-bin/readart.cgi?ArtNum=179973&Disp=11


Cannabinoid Receptor Activation in the Basolateral Amygdala Blocks the Effects of Stress on the Conditioning and Extinction of Inhibitory Avoidance  (full - 2009)  http://www.jneurosci.org/cgi/content/full/29/36/11078?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=Dr.+Irit+Akirav+&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT


Medical Marijuana and Nightmares (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/47?ailment=nightmares

Marijuana could alleviate symptoms of PTSD (news - 2009)
http://israel21c.org/health/marijuana-could-alleviate-symptoms-of-ptsd

Marijuana could prove helpful for post-traumatic stress disorder patients.
(news - 2009)
http://www.thefreelibrary.com/Marijuana+could+prove+helpful+for+post-traumatic+stress+disorder...a0211332139

'Pot' may help combat PTSD U. of Haifa study shows (news - 2009)
http://www.jpost.com/LandedPages/PrintArticle.aspx?id=159548

PTSD contributes to teen and young adult cannabis use disorders. (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2784238/?tool=pubmed

Cannabinoids modulate hippocampal memory and plasticity. (abst – 2010)

The relationship between substance use and posttraumatic stress disorder in a methadone maintenance treatment program. (abst – 2010)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=309

V.A. Easing Rules for Users of Medical Marijuana (news – 2010)

Cannabis and PTSD by Michael McKenna (anecdotal - 2010)

The role of cannabinoids in modulating emotional and non-emotional memory processes in the hippocampus. (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3124830/?tool=pubmed


Opposing Roles for Cannabinoid Receptor Type-1 (CB(1)) and Transient Receptor Potential Vanilloid Type-1 Channel (TRPV1) on the Modulation of Panic-Like Responses in Rats. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/21937980


Cannabinoid CB1 receptor deficiency increases contextual fear memory under highly aversive conditions and long-term potentiation in vivo.  (abst – 2012)  http://www.ncbi.nlm.nih.gov/pubmed/22579951


Plasma concentrations of endocannabinoids and related primary Fatty Acid amides in patients with post-traumatic stress disorder.  (full – 2013)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0062741

The endocannabinoid system as a possible target to treat both the cognitive and emotional features of post-traumatic stress disorder (PTSD).  (full – 2013)

Translational evidence for the involvement of the endocannabinoid system in stress-related psychiatric illnesses.  (full – 2013)
http://www.biolmoodanxietydisord.com/content/3/1/19


Cannabinoid facilitation of fear extinction memory recall in humans.  (abst – 2013)

A current overview of cannabinoids and glucocorticoids in facilitating extinction of aversive memories: Potential extinction enhancers.  (abst – 2013)

Predator threat stress promotes long lasting anxiety-like behaviors and modulates synaptophysin and CB1 receptors expression in brain areas associated with PTSD symptoms.  (abst – 2013)

Cannabidiol enhances consolidation of explicit fear extinction in humans.  (abst – 2013)

Cannabinoids and traumatic stress modulation of contextual fear extinction and GR expression in the amygda-hippocampal-prefrontal circuit.  (abst – 2013)

Recent Progress in Understanding the Pathophysiology of Post-Traumatic Stress Disorder: Implications for Targeted Pharmacological Treatment.  (abst – 2013)

The endocannabinoid system provides an avenue for evidence-based treatment development for PTSD.  (1st page – 2013)

Involvement of prelimbic medial prefrontal cortex in panic-like elaborated defensive behaviour and innate fear-induced antinociception elicited by GABAA receptor blockade in the dorso-medial and ventromedial hypothalamic nuclei: role of the endocannabinoid CB1 receptor.  (abst – 2013)

Infusion of cannabidiol into infralimbic cortex facilitates fear extinction via CB1 receptors.  (abst – 2013)
Elevated brain cannabinoid CB1 receptor availability in post-traumatic stress disorder: a positron emission tomography study. (abst – 2013)  

Cannabinoid modulation of chronic mild stress-induced selective enhancement of trace fear conditioning in adolescent rats. (abst – 2013)  

Cannabinoids and glucocorticoids modulate emotional memory after stress.  
(abst – 2013)  

Effects of endocannabinoid and endovanilloid systems on aversive memory extinction.  
(abst – 2013)  

The endocannabinoid system and emotional processing: A pharmacological fMRI study with Δ9-tetrahydrocannabinol  
(abst – 2013)  

Reductions in circulating endocannabinoid levels in individuals with post-traumatic stress disorder following exposure to the world trade center attacks.  
(abst – 2013)  

Cannabinoid modulation of prefrontal-limbic activation during fear extinction learning and recall in humans.  
(abst – 2013)  

Fatty acid ethanolamide levels are altered in borderline personality and complex posttraumatic stress disorders.  
(abst – 2013)  

Amygdala FAAH and anandamide: mediating protection and recovery from stress.  
(abst – 2013)  

Using cannabis to help you sleep: Heightened frequency of medical cannabis use among those with PTSD.  
(abst – 2013)  

Study: THC Increases Brain Activity In Response To Positive Stimuli  
(news – 2013)  

Combat veterans testify that medical pot helps with their PTSD  
(news – 2013)  

Brain-Imaging Study Links Cannabinoid Receptors to Post-Traumatic Stress Disorder: First Pharmaceutical Treatment for PTSD Within Reach  
(news – 2013)  
http://www.sciencedaily.com/releases/2013/05/130514085016.htm
Researchers discover connection between CB1 receptors and PTSD (news – 2013)  

Study Links PTSD and Brain Receptors Activated by Marijuana (news – 2013)  

Marijuana May Cure PTSD (news – 2013)  

Marijuana-like compound could lead to first-ever medication for PTSD (news – 2013)  
http://www.foxnews.com/health/2013/05/14/marijuana-like-compound-could-lead-to-first-ever-medication-for-ptsd/

Poor Sleep Quality Makes It Harder To Quit Marijuana — Here’s Why (news – 2013)  

Neurotransmitters Studied as Way to Enhance PTSD Treatment (news – 2013)  

Science for stoners: Here’s how pot works (news – 2013)  
http://www.salon.com/2013/08/17/science_for_stoners_heres_how_pot_works/

Impaired Fear Memory Specificity Associated with Deficient Endocannabinoid-Dependent Long-Term Plasticity. (abst – 2014)  

### PRADER WILLI SYNDROME

Psychiatric adverse effects of rimonabant in adults with Prader Willi syndrome. (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3038245/?tool=pubmed

### PREGNANCY/ PRENATAL EXPOSURE * - also see PERINATAL HYPOXIC-ISCHEMIC INJURY, CHILDREN/YOUNG ADULTS

Nutrition for Moms-to-be! (article - undated)  

Dysregulated Cannabinoid Signaling Disrupts Uterine Receptivity for Embryo Implantation (full - 2001)  
http://www.jbc.org/content/276/23/20523.full

Menstrual cramps, morning sickness and labour pain (anecdotal – 2001)
Contrasting effects of WIN 55212-2 on motility of the rat bladder and uterus. (full – 2002) http://www.jneurosci.org/content/22/16/7147.long


Low fatty acid amide hydrolase and high anandamide levels are associated with failure to achieve an ongoing pregnancy after IVF and embryo transfer (full – 2002) http://molehr.oxfordjournals.org/content/8/2/188.full


Comparison of meconium and neonatal hair analysis for detection of gestational exposure to drugs of abuse (full - 2003) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1721515/pdf/v088p00F98.pdf


Mouse blastocysts release a lipid which activates anandamide hydrolase in intact uterus (full – 2004) http://molehr.oxfordjournals.org/content/10/4/215.full


Cannabinoids and the human uterus during pregnancy (abst - 2004)
Medical marijuana: a surprising solution to severe morning sickness  
(http://www.ncbi.nlm.nih.gov/pubmed/14749627)

The cannabinoid system and its importance in the perinatal period  
(http://www.ncbi.nlm.nih.gov/pubmed/16266619)

The endocrinological basis of recurrent miscarriages.  
(http://www.ncbi.nlm.nih.gov/pubmed/15976551)

Effects of cannabinoids on hypothalamic and reproductive function.  
(http://www.ncbi.nlm.nih.gov/pubmed/16596787)

The impact of obesity on reproduction in women with polycystic ovary syndrome.  

Determination of the prevalence of drug misuse by meconium analysis  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2672735/?tool=pubmed)

Survey of medicinal cannabis use among childbearing women: patterns of its use in pregnancy and retroactive self-assessment of its efficacy against 'morning sickness'.  
(http://safeaccess.ca/research/cannabis_nausea2006.pdf)

Parental marijuana use and risk of childhood acute myeloid leukaemia: a report from the Children's Cancer Group (United States and Canada).  

Prenatal exposure to a cannabinoid receptor agonist does not affect sensorimotor gating in rats  
(http://www.ncbi.nlm.nih.gov/pubmed/16423346)

More Pregnancy Highs Than Lows  

Oily fish makes 'babies brainier’  
(http://news.bbc.co.uk/2/hi/health/4631006.stm)

Dreher's Jamaican Pregnancy Study  
(http://www.november.org/stayinfo/breaking06/DreherStudy.html)

Cannabis Relieves Morning Sickness  

The role of the endocannabinoid system in gametogenesis, implantation and early pregnancy  
(http://humupd.oxfordjournals.org/cgi/content/full/13/5/501?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=960&resourcetype=HWCT)


CB2 receptors in reproduction (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219526/


Loss of Cannabinoid Receptor CB1 Induces Preterm Birth (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2553193/?tool=pmcentrez

Expression of the Endocannabinoid System in Human First Trimester Placenta and Its Role in Trophoblast Proliferation (full – 2008) http://endo.endojournals.org/content/149/10/5052.full?sid=f5b14012-9fbe-4f10-890c-386313060cf8

Maternal tobacco, cannabis and alcohol use during pregnancy and risk of adolescent psychotic symptoms in offspring. (full - 2009) http://bjo.rcpsych.org/cgi/content/full/195/4/294


During pregnancy, recreational drug-using women stop taking ecstasy (3,4-methylenedioxy-N-methylamphetamine) and reduce alcohol consumption, but continue to smoke tobacco and cannabis: initial findings from the Development and Infancy Study. (abst - 2009) http://www.ncbi.nlm.nih.gov/pubmed/19939863


Short communication: Urinary excretion of 11-nor-9-carboxy-Delta(9)-tetrahydrocannabinol in a pregnant woman following heavy, chronic cannabis use. (letter - 2009) http://jat.oxfordjournals.org/content/33/9/610.long


N-Acylethanolamine Levels and Expression of Their Metabolizing Enzymes during Pregnancy (full – 2010)  http://endo.endojournals.org/content/151/8/3965.full


Tocolytic Effect of Δ9-Tetrahydrocannabinol in Mice Model of Lipopolysaccharide—Induced Preterm Delivery: Role of Nitric Oxide (abst - 2010)  http://rsx.sagepub.com/content/17/4/391.abstract

A common variation in the cannabinoid 1 receptor (CNR1) gene is associated with pre-eclampsia in the Central European population. (abst - 2010)  http://www.ncbi.nlm.nih.gov/pubmed/21129839


Pregnant women turning to cannabis for morning sickness relief risk prosecution (news - 2010)  http://michigandispensaries.us/news/pregnant-women-turning-to-cannabis-for-morning-sickness-relief-risk-prosecution


Sex difference in cell proliferation in developing rat amygdala mediated by endocannabinoids has implications for social behavior (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2996668/?tool=pubmed


Uncovering a role for endocannabinoid signaling in autophagy in preimplantation mouse embryos (abst – 2012) http://molehr.oxfordjournals.org/content/19/2/93.abstract

Cannabinoid modulation of mother-infant interaction: is it just about milk?
Researchers study neuroprotective properties in cannabis  (news - 2012)
http://www.foxnews.com/health/2012/03/20/researchers-study-neuroprotective-properties-in-cannabis/

Cannabinoids, Breast Milk, and Development  (news – 2012)

The role of endocannabinoids in pregnancy.  (full – 2013)
http://www.reproduction-online.org/content/early/2013/06/06/REP-12-0508.long

Embryonic diapause in humans: time to consider?  (full – 2013)
http://www.rbej.com/content/11/1/92

Detection of the endocannabinoid metabolome in human plasma and breast milk  (abst – 2013)
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/45.8?sid=eea722c0-971c-4daa-8b8c-38c0e63c19ad

Synthetic cannabinoiids and potential reproductive consequences.  (abst – 2013)

http://jat.oxfordjournals.org/content/early/2013/07/09/jat.bkt052.abstract?sid=7be65428-0ff8-4917-884b-c35f5a2819af

Endocannabinoid receptor (CB1R) deficiency affects maternal care and alters the dam's hippocampal oxytocin receptor and BDNF expression  (abst – 2013)


Plasma Anandamide and Related N-acylethanolamide Levels are not Elevated in Pregnancies Complicated by Hyperemesis Gravidarum.  (abst – 2013)


The Effect of Mifepristone (RU486) on the Endocannabinoid System in Human Plasma and First Trimester Trophoblast of Women undergoing Termination of Pregnancy.  (abst – 2013)
PROMM/ PROXIMAL MYOTONIC MYOPATHY

Marijuana for the Management of Proximal Myotonic Myopathy (full - 2001)  
http://www.jpsmjournal.com/article/S0885-3924(01)00252-4/fulltext

PRIONS

Nonpsychoactive cannabidiol Prevents Prion Accumulation and Protects Neurons against Prion Toxicity (full - 2007)  
http://www.jneurosci.org/cgi/content/full/27/36/9537

Recent News: Marijuana (Cannabis) May Prevent Mad Cow Disease  

Cannabidiol May be Effective in Preventing Bovine Spongiforme Enzephalopathy (Mad Cow Disease) (news - 2007)  
http://www.letfreedomgrow.com/articles/fr070916.htm

Pot Compound Protective Against ‘Mad Cow’ Disease, Other Fatal Brain Disorders, Study Says (news - 2007)  
http://www.norml.org/index.cfm?Group_ID=7362

Pot smoking could stop Mad Cow Disease? (news - 2008)  
http://chattahbox.com/curiosity/2008/12/06/pot-smoking-could-stop-mad-cow-disease/

Alteration of the Endocannabinoid System In Mouse Brain During Prion Disease. (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21195746/abstract/Alteration_of_the_Endocannabinoid_System_In_Mouse_Brain_During_Prion_Disease

PRURITIS - chronic itch

Dronabinol in patients with intractable pruritus secondary to cholestatic liver disease. (abst - 2002)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=116


Old drugs in new role: relieving chronic pruritus; Cannabinoid agonists, opioid receptor antagonists have attracted the attention of dermatologists (news - 2005) http://www.thefreelibrary.com/Old+drugs+in+new+role%3a+relieving+chronic+pruritus%3b+Cannabinoid ...-a0149197152


Chronic pruritus: targets, mechanisms and future therapies. (abst - 2008)

The endocannabinoid system of the skin in health and disease: novel perspectives and therapeutic opportunities (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2757311/?tool=pmcentrez

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2670585/?tool=pubmed


Cannabis: Potential treatment for skin disorders? (news - 2009)
http://www.examiner.com/article/cannabis-potential-treatment-for-skin-disorders

The Management of Chronic Pruritus in the Elderly (full – 2010)
http://www.skintherapyletter.com/2010/15.8/2.html

Is there a legitimate role for the therapeutic use of cannabinoids for symptom management in chronic kidney disease? (abst – 2011)

CB1 receptors mediate rimonabant-induced pruritic responses in mice: investigation of locus of action. (abst – 2011)

Endocannabinoid signaling and epidermal differentiation. (abst – 2011)


Palmitoylethanolamide is a new possible pharmacological treatment for the inflammation associated with trauma. (abst – 2012)


Palmitoylethanolamide is a New Possible Pharmacological Treatment for the Inflammation Associated with Trauma  (abst – 2013)  
http://www.eurekaselect.com/106175/article

Blockade of cannabinoid CB1 and CB2 receptors does not prevent the antipruritic effect of systemic paracetamol.  (abst – 2014)  

The effect of propofol on intrathecal morphine-induced pruritus and its mechanism.  (abst – 2014)  

**PSORIASIS**

The Endocannabinoid System in Human Keratinocytes  (full – 2003)  
http://www.jbc.org/content/278/36/33896.full

Cannabinoids, loratadine and allopurinol as novel additions to the antipsoriatic ammunition.  (abst – 2005)  

Anandamide Regulates Keratinocyte Differentiation by Inducing DNA Methylation in a CB1 Receptor-dependent Manner  (full – 2007)  
http://www.jbc.org/content/283/10/6005.full?sid=931583b1-e797-43e0-8296-7fd75bb49403#sec-4

Cannabinoids inhibit human keratinocyte proliferation through a non-CB1/CB2 mechanism and have a potential therapeutic value in the treatment of psoriasis  (abst - 2007)  

Marijuana Skin Cream?  (news - 2007)  
http://www.drugfree.org/join-together/drugs/marijuana-skin-cream

The endocannabinoid system of the skin in health and disease: novel perspectives and therapeutic opportunities  (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2757311/?tool=pmcentrez

Benefit of Hemp Oil  (news – 2009)  
http://www.livestrong.com/article/31903-hemp-seed-oil-benefits/

http://www.faqs.org/patents/app/20080255224

Endocannabinoid signaling and epidermal differentiation.  (abst – 2011)  

Cannabinoid Treatment for Psoriasis Symptoms  (article – 2012)  
http://medicalmarijuana.com/medical-marijuana-treatments/Psoriasis
Cannabis cures psoriasis (forum post/anecdotal – 2012)  

https://peerj.com/articles/40/

Dermatologists: Marijuana Can Improve Your Skin, But Not If You Smoke It (news – 2013)  

QUITTING CANNABIS *- also see ADDICTION, WITHDRAWAL

Tobacco and Cannabis Smoking Cessation Can Lead to Intoxication with Clozapine or Olanzapine. (abst – 2002)  

The Time Course and Significance of Cannabis Withdrawal. (abst – 2003)  

Strategies for quitting among non-treatment-seeking marijuana smokers. (abst – 2005)  

Teens in Recovery Drop Drugs but Add Pounds (news – 2005)  

Buspirone, Fluoxetine May Counter Cannabis Use (news – 2007)  

Tips for Cutting Back (news – 2009)  
http://www.heretohelp.bc.ca/visions/cannabis-vol6/tips-for-cutting-back

For pot users, visual and audible cues set off cravings (news – 2009)  

Aerobic Exercise Training Reduces Cannabis Craving and Use in Non-Treatment Seeking Cannabis-Dependent Adults (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3050879/?tool=pmcentrez

Cure for the Munchies? Exercise Cuts Marijuana Cravings (news – 2011)  

Exercise can reduce cannabis use in persons who don’t want to stop (news – 2011)  
A Double-Blind Randomized Controlled Trial of N-Acetylcysteine in Cannabis-Dependent Adolescents. (full – 2012) http://ajp.psychiatryonline.org/article.aspx?articleID=1184217&resultClick=1


Supplement Helps Teens Kick Pot Habit (news – 2012) http://www.medpagetoday.com/Psychiatry/Addictions/33286?utm_content=&utm_medium=email&utm_campaign=DailyHeadlines&utm_source=WC&eun=g522321d0r&userid=522321&email=tconnolly@wtis110.com&mu_id=


Computer and therapist based brief interventions among cannabis-using adolescents presenting to primary care: One year outcomes. (abst – 2013)


Use of micronutrients attenuates cannabis and nicotine abuse as evidenced from a reversal design: a case study (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23909004


Baclofen in the management of cannabis dependence syndrome. (full – 2014) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3896138/


Hormone shows promise at negating marijuana’s high effect  

Muting Marijuana’s High: Pot Without the Impairment  
http://healthland.time.com/2014/01/03/muting-marijuanas-high-pot-without-the-impairment/

QUITTING OTHER DRUGS *

Go clean with spliffs  
(news - 2001) (may need registration)  

Crack heads and roots daughters: The therapeutic use of cannabis in Jamaica (cocaine)  
(abst - 2002)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=260

Does Cannabis Use Predict Poor Outcome for Heroin-Dependent Patients on Maintenance Treatment? A Review of Past Findings, and More Evidence Against  
(full – 2003)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2943839/

Modulation of oral morphine antinociceptive tolerance and naloxone-precipitated withdrawal signs by oral Delta 9-tetrahydrocannabinol.  
(full – 2003)  
http://jpet.aspetjournals.org/content/305/3/812.long

Cannabis as a Substitute for Alcohol  
(full - 2003)  
http://www.doctordeluca.com/Library/AbstinenceHR/CannabisSubstituteAlcohol03.htm

Cannabis Abuse is Not a Risk Factor for Treatment Outcome in Methadone Maintenance Treatment: a 1-year Prospective Study in an Israeli Clinic.  
(abst – 2004)  

Delta9-tetrahydrocannabinol decreases somatic and motivational manifestations of nicotine withdrawal in mice.  
(abst - 2004)  

Comparison of Cannabidiol, Antioxidants, and Diuretics in Reversing Binge Ethanol-Induced Neurotoxicity  
(full - 2005)  
http://jpet.aspetjournals.org/content/314/2/780.full

Role of cannabinoid receptors in alcohol abuse  
(news - 2005)  
http://www.medicalnewstoday.com/articles/30338.php

Chronologically overlapping occurrences of nicotine-induced anxiety- and depression-related behavioral symptoms: effects of anxiolytic and cannabinoid drugs  
(full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2075518/?tool=pubmed
Modulation of the endocannabinoid system: therapeutic potential against cocaine dependence. (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2134985/?tool=pubmed

Subchronic cannabinoid agonist (WIN 55,212-2) treatment during cocaine abstinence alters subsequent cocaine seeking behavior. (link to full - 2007)  
http://www.nature.com/npp/journal/v32/n11/full/1301365a.html

Inhibition of anandamide hydrolysis by URB597 reverses abuse-related behavior and neurochemical effects of nicotine in rats (abst – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2663803/?tool=pubmed

Curing Addiction With Cannabis Medicines? (news - 2008)  
http://www.sciencedaily.com/releases/2008/03/080307110348.htm

Cannabidiol, a Nonpsychotropic Component of Cannabis, Inhibits Cue-Induced Heroin Seeking and Normalizes Discrete Mesolimbic Neuronal Disturbances (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2829756/?tool=pmcentrez

Intermittent marijuana use is associated with improved retention in naltrexone treatment for opiate-dependence. (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2753886/?tool=pubmed

Cannabis as a substitute for alcohol and other drugs. (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2795734/?tool=pmcentrez

Effects of the cannabinoid CB1 receptor antagonist AM 251 on the reinstatement of nicotine-conditioned place preference by drug priming in rats. (full - 2009)  

Interaction of the cannabinoid and opioid systems in the modulation of nociception. (abst - 2009)  

Marijuana: Help or hassle? (news – 2009)  
http://www.heretohelp.bc.ca/visions/cannabis-vol5/marijuana-help-or-hassle

Medical Marijuana and Tobacco Dependence (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/67?ailment=tobacco-dependence

Medical Marijuana and Opiate Dependence (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/50?ailment=opiate-dependence

Is Cannabis the Answer to Booze Britain's Problems? (news - 2009)  

Medical Marijuana and Cocaine Dependence (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/21?ailment=cocaine-dependence
Cannabis as a substitute for heavy alcohol usage? (news - 2009)  

Medical marijuana users in substance abuse treatment.  (full - 2010)  
http://www.harmreductionjournal.com/content/pdf/1477-7517-7-3.pdf

Attenuation of morphine antinociceptive tolerance by a CB(1) receptor agonist and an NMDA receptor antagonist: Interactive effects.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2813317/?tool=pubmed

Randomized, controlled, double-blind trial of taranabant for smoking cessation (abst – 2010)  

Oaklanders Quitting Oxycontin with Cannabis  (news - 2010)  

Marijuana To Control Alcohol Abuse  (news - 2010)  

Study shows direct cellular interaction between endocannabinoids and alcohol in the brain  (news - 2010)  

Refractory CRPS Patients Discontinue Opiates With Cannabinoid Treatment  (news –2010)  

Marijuana could be an “exit drug”  (news/ forum repost - 2010)  

Endocannabinoid regulation of acute and protracted nicotine withdrawal: effect of FAAH inhibition.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3227620/?tool=pubmed

Brain cannabinoid CB2 receptors modulate cocaine's actions in mice  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3164946/

The anandamide transport inhibitor AM404 reduces the rewarding effects of nicotine and nicotine-induced dopamine elevations in the nucleus accumbens shell in rats (full – 2011)  

Pharmacological activation/inhibition of the cannabinoid system affects alcohol withdrawal-induced neuronal hypersensitivity to excitotoxic insults.  (abst – 2011)  

Study: Marijuana compound helps mitigate cocaine addiction in mice  (news – 2011)
Stimulation Of Marijuana Receptor Reduces Cocaine Consumption, Study Says

Why Medical Marijuana Laws Reduce Traffic Deaths  (news - 2011)

Medical marijuana turns former soldier's life around  (news – 2011)

Can marijuana curb cocaine addiction?  (news – 2011)
http://theweek.com/article/index/217709/can-marijuana-curb-cocaine-addiction

Patients Substitute Marijuana for Prescription Drugs  (news – 2011)

Cannabinol inhibits the reward-facilitating effect of morphine: involvement of 5-HT(1A) receptors in the dorsal raphe nucleus.  (abst – 2012)

Nicotine-induced anxiety-like behavior in a rat model of the novelty-seeking phenotype is associated with long-lasting neuropeptidergic and neuroplastic adaptations in the amygdala: Effects of the cannabinoid receptor 1 antagonist AM251.  (abst – 2012)

Dual Inhibition of Endocannabinoid Catabolic Enzymes Produces Enhanced Anti- Withdrawal Effects in Morphine-Dependent Mice.  (abst – 2013)

AM404 attenuates reinstatement of nicotine seeking induced by nicotine-associated cues and nicotine priming but does not affect nicotine- and food-taking.  (abst – 2013)


Secret “Sober” Pot Smokers (news – 2013)  http://www.thefix.com/content/secret-%E2%80%9Csober%E2%80%9D-pot-users2030

Colombia’s controversial cure for coke addicts: Give them marijuana (news – 2013)  http://www.thestar.com/news/world/2013/06/03/colombias_controversial_cure_for_coke_addicts_give_the_m_marijuana.html


Can Cannabis be Considered a Substitute Medication for Alcohol? (abst – 2014)  http://alcalc.oxfordjournals.org/content/early/2014/01/07/alcalc.agt182.abstract?sid=7dda1d62-04a2-4bd8-88c2-9f1e481614b5


RADIATION THERAPY

Receptor mechanism and antiemetic activity of structurally-diverse cannabinoids against radiation-induced emesis in the least shrew. (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1949344/?tool=pmcentrez

Combined antiproliferative effects of the aminoalkylindole WIN55,212-2 and radiation in breast cancer cells. (full – 2013)  
http://jpet.aspetjournals.org/content/early/2013/11/20/jpet.113.205120.long

Honokiol as a Radiosensitizing Agent for Colorectal cancers. (abst – 2013)  

**RADIATION SICKNESS**

Medical Marijuana and Radiation Therapy (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/56?ailment=radiation-therapy

Regulation of hematopoietic stem cell trafficking and mobilization by the endocannabinoid system. (abst – 2011)  

Tumor necrosis factor activation of vagal afferent terminal calcium is blocked by cannabinoids. (abst – 2012)  

**REFLEX SYMPATHETIC DYSTROPHY**

DEA Raids Aurora Medical Marijuana User (news/ anecdotal – 2004)  

Medi-Cal pays pot-related expenses (news – 2007)  
http://www.mapinc.org/norml/v07/n809/a08.htm

RSD Patient Gets Relief Through Medical Marijuana (news - 2009)  
http://crpsitdoesexistdoc.blogspot.com/2012/05/medical-marijuana-for-rsd-patient.html

An Opiate Controlled Population by Ryan Harshbarger (news/ anecdotal- 2009)  

Control of bone remodeling by nervous system. Nervous system and bone (abst – 2010)  
RESTLESS LEG SYNDROME

Restless Leg Syndrome: Medical Marijuana Patients’ Say it Works  (news - 2007)

Medical Marijuana and Wittmaack-Ekbom's Syndrome  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/170?ailment=wittmaack-ekbom-s-syndrome

RETINITIS PIGMENTOSA *

Cannabis improves night vision: a case study of dark adaptometry and scotopic sensitivity in kif smokers of the Rif mountains of northern Morocco.  (abst – 2004)

When spliff gets in your eyes...  (news – 2004)
http://www.guardian.co.uk/science/2004/jul/07/sciencenews.research


SAFETY AS A MEDICINE *

Two hundred and thirteen cases of marijuana toxicoses in dogs.  (abst – 2002)

The good and the bad effects of (−) trans-delta-9-tetrahydrocannabinol (Δ9-THC) on humans  (abst - 2004)
http://www.sciencedirect.com/science?ob=ArticleURL&udi=B6TCS-4C672CG2C4-2&user=10&rdoc=1&rft=orig=search&sort=d&view=c&acct=C000050221&version=1&urlVersion=0&userid=10&md5=99df29b0ce94c395c01f5aad8825d28b

Adverse effects of medical cannabinoids: a systematic review  (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2413308/

Merck Manual - Marijuana (Cannabis)  (excerpt - 2008)

How Safe Are Medical Cannabinoids?  (news – 2008)
http://www.medicalnewstoday.com/releases/111442.php
Medical use of cannabinoids does not cause an increase in serious adverse health effects (news - 2008)  http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabinis_artikel.php?id=272


Claims Linking Health Problems And The Strength Of Cannabis May Be Exaggerated (news - 2008)  http://www.sciencedaily.com/releases/2008/06/080617125751.htm

Alcohol and cannabis use as risk factors for injury - a case-crossover analysis in a Swiss hospital emergency department (full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2654886/?tool=pubmed


Health Risks of Marijuana Still Not Nailed Down (news - 2009)  http://www.medpagetoday.com/Psychiatry/Addictions/16456


The FDA has written documentation that patients can overdose on Marinol and that it can be lethal (news - 2009)  http://www.examiner.com/examiner/x-19678-Cannabis-Revolution-Examiner-y2009m10d23-The-FDA-has-written-documentation-that-patients-can-overdose-on-Marinol-and-that-it-can-be-lethal

Drug Harms in the UK  (full - 2010)  

Harms associated with psychoactive substances: findings of the UK National Drug Survey  (abst - 2010)  http://jop.sagepub.com/cgi/content/abstract/24/2/147?rss=1


Annual Causes of Death in the United States  (article – 2011)  http://drugwarfacts.org/cms/?q=node/30


Is Pot Good For You?  (news – 2011)  http://www.maps.org/media/view/is_pot_good_for_you/


Medical Marijuana: Clearing Away the Smoke  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3358713/


Marijuana has no adverse effects on health, BU study suggests (news – 2013) [http://dailyfreepress.com/2013/09/25/marijuana-has-no-adverse-effects-on-health-bu-study-suggests/](http://dailyfreepress.com/2013/09/25/marijuana-has-no-adverse-effects-on-health-bu-study-suggests/)


Alcohol or Cannabis? No Question Which Substance Poses a Greater Risk to Health (news – 2013) [http://www.huffingtonpost.com/paul-armentano/alcohol-or-cannabis_b_3799972.html](http://www.huffingtonpost.com/paul-armentano/alcohol-or-cannabis_b_3799972.html)


SAFETY - ADULTERANTS/ CONTAMINANTS *


Invasive Pulmonary Aspergillosis Associated With Marijuana Use in a Man With Colorectal Cancer (full - 2008) http://jco.ascopubs.org/cgi/content/full/26/13/2214?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=3520&resourcetype=HWCIT

Lead poisoning due to adulterated marijuana in Leipzig. (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2696942/?tool=pmcentrez

The use of fry (embalming fluid and PCP-laced cigarettes or marijuana sticks) among crack cocaine smokers (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2873769/pdf/nihms195654.pdf
Ammonia release from heated 'street' cannabis leaf and its potential toxic effects on cannabis users. (abst - 2008) http://www.unboundmedicine.com/medline/ehb/record/18705690/abstract/Ammonia_release_from_heated_%27street%27_cannabis_leaf_and_its_potential_toxic_effects_on_cannabis_users


Contamination – Now we have some real evidence (news – 2010) http://ukcia.org/wordpress/?p=296


Too many mouldy joints - marijuana and chronic pulmonary aspergillosis. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3103256/?tool=pubmed


Medical marijuana users don't have protections from sub-par pot (news – 2013) http://www.katu.com/news/investigators/Medical-marijuana-users-dont-have-protections-from-sub-par-pot-200499471.html


Marijuana Pesticide Contamination Becomes Health Concern As Legalization Spreads (news – 2013) http://www.huffingtonpost.com/2013/05/24/marijuana-pesticides-contamination_n_3328122.html

**SCHIZOPHRENIA/ MENTAL DISORDERS** *


Endocannabinoid signalling in the blood of patients with schizophrenia  (full – 2003)  
http://www.lipidworld.com/content/2/1/5

Aetiology - Review: current evidence does not show a strong causal relation between the use of cannabis in young people and psychosocial harm  (full - 2004) 
http://ebmh.bmj.com/content/7/4/119.long

Cannabis as a psychotropic medication  (letter - 2004) 
http://bjp.rcpsych.org/cgi/content/full/185/1/78

http://www.schres-journal.com/article/S0920-9964%2804%2900035-0/abstract

How our brains fend off madness, we produce a cannabis like substance  (news – 2004) 
http://www.medicalnewstoday.com/releases/12516.php

Cannabis does not induce schizophrenia, Dutch scientists say  (news - 2004) 
http://www.medicalnewstoday.com/articles/12283.php

Symptoms of schizotypy precede cannabis use.  (full - 2005) 
http://socialsciences.people.hawaii.edu/publications_lib/Cannabis%20and%20SPD.pdf

On the Cannabinoid Receptor: A Study in Molecular Psychiatry  (full – 2005)  
(needs free registration) 
http://www.psychiatrictimes.com/articles/cannabinoid-receptor-study-molecular-psychiatry

Cannabis and schizophrenia link blurs further  (news - 2005) (may need registration) 
http://www.newscientist.com/channel/health/mg18624953.800-cannabis-and-schizophrenia-link-blurs-further.html

Chemicals in Cannabis may help mentally ill  (news - 2005) 

Cannabidiol, a Cannabis sativa constituent, as an antipsychotic drug.  (full - 2006) 


The Mental Health Risks of Adolescent Cannabis Use  (full - 2006) 


Increased cannabinoid receptor density in the posterior cingulate cortex in schizophrenia. (abst - 2006) http://www.ncbi.nlm.nih.gov/pubmed/16710682

Cannabis use does not cause schizophrenia (news - 2006) http://www.health.am/psy/more/cannabis_use_does_not_cause_schizophrenia/


Cannabis is a First-Line Treatment for Childhood Mental Disorders (news - 2006) http://www.counterpunch.org/2006/07/08/cannabis-is-a-first-line-treatment-for-childhood-mental-disorders/


Cannabis and suicide: longitudinal study. (full - 2009) http://bjp.rcpsych.org/content/195/6/492.long


Parasitic brain infection, endocannabinoids, and schizophrenia. (abst - 2009) http://www.unboundmedicine.com/medline/ebm/record/18995970/abstract/Parasitic_brain_infection_endocannabinoids_and_schizophrenia

The role of cannabis in cognitive functioning of patients with schizophrenia. (abst - 2009) http://www.unboundmedicine.com/medline/ebm/record/19326102/abstract/The_role_of_cannabis_in_cognitive_functioning_of_patients_with_schizophrenia


Opposite relationships between cannabis use and neurocognitive functioning in bipolar disorder and schizophrenia. (abst - 2009) http://www.unboundmedicine.com/medline/ebm/record/19891810/full_citation/Opposite_relationships_between_cannabis_use_and_neurocognitive_functioning_in_bipolar_disorder_and_schizophrenia


Synthetic delta-9-tetrahydrocannabinol (dronabinol) can improve the symptoms of schizophrenia. (abst - 2009) http://www.unboundmedicine.com/medline/ebm/record/19440079/abstract/Synthetic_delta_9_tetrahydrocannabinol__dronabinol__can_improve_the_symptoms_of_schizophrenia

Can recreational doses of THC produce significant dopamine release in the human striatum? (abst - 2009) http://www.unboundmedicine.com/medline/ebm/record/19539765/full_citation/Can_recreational_doses_of_THC_produce_significant_dopamine_release_in_the_human_striatum

If cannabis caused schizophrenia—how many cannabis users may need to be prevented in order to prevent one case of schizophrenia? England and Wales calculations. (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19832786/full_citation/If_cannabis_caused_schizophrenia_how_many_cannabis_users_may_need_to_be_prevented_in_order_to_prevent_one_case_of_schizophrenia_England_and_Wales_calculations

Minimal Relationship Between Cannabis And Schizophrenia Or Psychosis, Suggested By New Study (news - 2009)  

Marijuana: Help or hassle? (news – 2009)  
http://www.heretohelp.bc.ca/visions/cannabis-vol5/marijuana-help-or-hassle

Schizophrenia link to cannabis denied (news - 2009)  

Cannabis and smoking gene links to schizophrenia ‘unfounded’ (news – 2009)  
http://www.medwirenews.com/47/71003/Psychiatry/Cannabis_and_smoking_gene_links_to_schizophrenia_%E2%80%98unfounded%E2%80%99.html

New study suggests minimal relationship between cannabis and schizophrenia or psychosis (news – 2009)  

Science: The development of the number of new schizophrenia cases in the UK does not support the hypothesis that cannabis use increases schizophrenia risk (news – 2009)  

Maternal Marijuana use not Associated with Psychotic Symptoms , but Alcohol is. (news - 2009)  

Do patients think cannabis causes schizophrenia? - A qualitative study on the causal beliefs of cannabis using patients with schizophrenia (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2954921/?tool=pmcentrez

Reasons for illicit drug use in people with schizophrenia: Qualitative study (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2999587/?tool=pubmed

Are cannabis use disorders associated with an earlier age at onset of psychosis? A study in first episode schizophrenia. (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2900481/?tool=pubmed

Therapeutical use of the cannabinoids in psychiatry (full – 2010)  
A common polymorphism in the cannabinoid receptor 1 (CNR1) gene is associated with antipsychotic-induced weight gain in Schizophrenia. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3055343/?tool=pubmed


Endocannabinoids and Schizophrenia (link to PDF– 2010) http://www.mdpi.com/1424-8247/3/10/3101


Alterations in Metabotropic Glutamate Receptor 1a and Regulator of G Protein Signaling 4 in the Prefrontal Cortex in Schizophrenia (news - 2010) http://ajp.psychiatryonline.org/article.aspx?articleID=102528&resultClick=1


Risk of suicide spurs rimonabant trial to end. (news – 2010) http://www.thefreelibrary.com/Risk+of+suicide+spurs+rimonabant+trial+to+end.-a0238838571

Deletion of CB2 Cannabinoid Receptor Induces Schizophrenia-Related Behaviors in Mice (full – 2011) http://www.nature.com/npp/journal/v36/n7/full/npp201134a.html


History of cannabis use is not associated with alterations in striatal dopamine D2/D3 receptor availability.  (full – 2011)  http://jop.sagepub.com/content/26/1/144.long

Is lipid signaling through cannabinoid 2 receptors part of a protective system?  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Cannabis, COMT and psychotic experiences.  (full – 2011)  http://bjp.rcpsych.org/content/199/5/380.long


The endocannabinoid system in the regulation of emotions throughout lifespan: a discussion on therapeutic perspectives.  (full – 2011)  http://jop.sagepub.com/content/26/1/150.full.pdf+html


The schizophrenia susceptibility gene neuregulin 1 modulates tolerance to the effects of cannabinoids. (abst – 2011) http://www.unboundmedicine.com/medline/ebm/record/20701826/abstract/The_schizophrenia_susceptibility_gene_neuregulin_1_modulates_tolerance_to_the_effects_of_cannabinoids

Cannabinoid receptor 1 gene polymorphisms and marijuana misuse interactions on white matter and cognitive deficits in schizophrenia. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21420833

Association between a cannabinoid receptor gene (CNR1) polymorphism and cannabinoid-induced alterations of the auditory event-related P300 potential. (abst – 2011) http://www.unboundmedicine.com/medline/ebm/record/21513772/abstract/Association_between_a_cannabinoid_receptor_gene__CNR1__polymorphism_and_cannabinoid_induced_alterations_of_the_auditory_event_related_P300_potential


Debunking the Myth of a Link Between Marijuana and Mental Illness (news – 2011) http://www.alternet.org/drugs/151776

COMT; another “wrong” result for the reefer madness hype (news – 2011) http://ukcia.org/wordpress/?p=924


The Link Between Marijuana and Schizophrenia (news – 2011) http://www.time.com/time/health/article/0,8599,2005559,00.html


Cannabidiol enhances anandamide signaling and alleviates psychotic symptoms of schizophrenia. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3316151/?tool=pubmed

Plasma Endocannabinoid Alterations in Individuals with Substance Use Disorder are Dependent on the “Mirror Effect” of Schizophrenia. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3457074/

Cannabis use and depression: a longitudinal study of a national cohort of Swedish conscripts (full – 2012) http://www.biomedcentral.com/1471-244X/12/112


Nutritional n-3 polyunsaturated fatty acids deficiency alters cannabinoid receptor signaling pathway in the brain and associated anxiety-like behavior in mice. (abst – 2012) http://www.springerlink.com/content/ur5784gm34782505/


Investigation of endocannabinoid system genes suggests association between peroxisome proliferator activator receptor-α gene (PPARA) and schizophrenia. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22920733

Binding of a tritiated inverse agonist to cannabinoid CB1 receptors is increased in patients with schizophrenia (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22910406


Study: Marijuana Linked to Lower Mortality Rate for Patients with Psychotic Disorders (news – 2012) http://www.alternet.org/newsandviews/article/936220/study%3A_marijuana_linked_to_lower_mortality_rate_for_patients_with_psychotic_disorders/


Marijuana Compound May Beat Antipsychotics at Treating Schizophrenia (news – 2012)
Marijuana Use Linked to Better Adherence in Psychosis (news – 2012)

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3544398/

Alterations to Melanocortinergic, GABAergic and Cannabinoid Neurotransmission Associated with Olanzapine-Induced Weight Gain (full – 2013)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0033548


The Global Epidemiology and Contribution of Cannabis Use and Dependence to the Global Burden of Disease: Results from the GBD 2010 Study (full – 2013)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0076635


Stronger evidence is needed before accepting that cannabis plays an important role in the aetiology of schizophrenia in the population. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23361397


Psychosis-inducing effects of cannabis are related to both childhood abuse and COMT genotypes. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23445265


Cannabis abuse is associated with better emotional memory in schizophrenia: A functional magnetic resonance imaging study. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23906663


Dominant negative DISC1 mutant mice display specific social behaviour deficits and aberration in BDNF and cannabinoid receptor expression. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/24219803

Fatty acid ethanolamide levels are altered in borderline personality and complex posttraumatic stress disorders.  (abst – 2013)  

The endocannabinoid system and its possible role in neurobiology of psychiatric disorders  (abst – 2013)  

Cannabidiol as a potential treatment for psychosis.  (abst – 2013)  

High K2 use rate among psych unit patients   (news – 2013)  

GABA deficits disturb endocannabinoid system   (news – 2013)  
http://www.sciencecodex.com/read/gaba_deficits_disturb_endocannabinoid_system-84784

Cannabis psychosis admissions rose after drug reclassified to Class B   (news – 2013)  
http://www.guardian.co.uk/science/sifting-the-evidence/2013/jul/18/cannabis-psychosis-uk-drug-class-c

Harvard: Marijuana Doesn’t Cause Schizophrenia   (news – 2013)  


A controlled family study of cannabis users with and without psychosis.  (abst – 2014)  

Acute administration of Δ9 tetrahydrocannabinol does not prevent enhancement of sensory gating by clozapine in DBA/2 mice.   (abst – 2014)  

Impaired Fear Memory Specificity Associated with Deficient Endocannabinoid-Dependent Long-Term Plasticity.   (abst – 2014)  

**SCLERODERMA**

The endocannabinoid system of the skin in health and disease: novel perspectives and therapeutic opportunities   (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2757311/?tool=pmcentrez
The cannabinoid receptor CB2 exerts antifibrotic effects in experimental dermal fibrosis (full - 2009)  

Cannabinoids inhibit fibrogenesis in diffuse systemic sclerosis fibroblasts  (full - 2009)  
http://rheumatology.oxfordjournals.org/content/48/9/1050.full

The cannabinoid WIN55, 212-2 abrogates dermal fibrosis in scleroderma bleomycin model.  (abst - 2010)  

Targeting the cannabinoid pathway limits the development of fibrosis and autoimmunity in a mouse model of systemic sclerosis.  (abst – 2010)  

Is lipid signaling through cannabinoid 2 receptors part of a protective system?  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Synthetic cannabinoid ajulemic acid exerts potent antifibrotic effects in experimental models of systemic sclerosis.  (abst – 2012)  

**SEBACEOUS GLANDS** – produce skin oils

Sebaceous gland receptors.  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2835895/

**SEPTIC SHOCK** *

Endocannabinoid Degradation, Endotoxic Shock and Inflammation  
(link to PDF – 2002)  
http://www.eurekaselect.com/91915/article

Presynaptic cannabinoid CB1 receptors are involved in the inhibition of the neurogenic vasopressor response during septic shock in pithed rats  (full - 2004)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1575049/?tool=pmcentrez

Effects of AM281, a cannabinoid antagonist, on systemic haemodynamics, internal carotid artery blood flow and mortality in septic shock in rats  (full – 2005)  
http://bja.oxfordjournals.org/content/94/5/563.full

Effects of AM281, a cannabinoid antagonist, on circulatory deterioration and cytokine production in an endotoxin shock model: comparison with norepinephrine.  (abst – 2006)  
The cannabinoid receptor 2 is critical for the host response to sepsis. (full – 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2763235/?tool=pubmed

Cannabinoid-induced apoptosis in immune cells as a pathway to immunosuppression. (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3005548/?tool=pubmed

Treatment with cannabidiol reverses oxidative stress parameters, cognitive impairment and mortality in rats submitted to sepsis by cecal ligation and puncture. (abst - 2010) http://www.ncbi.nlm.nih.gov/pubmed/20561509

Cannabidiol reduces lipopolysaccharide-induced vascular changes and inflammation in the mouse brain: an intravital microscopy study (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3034694/?tool=pmcentrez

The endocannabinoid system in sepsis – a potential target to improve microcirculation? (full – 2011)

Cannabinoid receptor 2 activation reduces intestinal leukocyte recruitment and systemic inflammatory mediator release in acute experimental sepsis (full – 2012)
http://ccforum.com/content/16/2/R47

Cannabinoid receptor 1 inhibition causes seizures during anesthesia induction in experimental sepsis. (full – 2012)
http://journals.lww.com/anesthesia-analgesia/Fulltext/2012/06000/Cannabinoid_Receptor_1_Inhibition_Causes_Seizures.12.aspx

Cannabinoid Receptor 2 Protects against Acute Experimental Sepsis in Mice. (full – 2013) http://www.hindawi.com/journals/mi/2013/741303/

Targeting the Endocannabinoid System to Treat Sepsis (review – 2013)
http://www.signavitae.com/articles/review-articles/222-targeting-the-endocannabinoid-system-to-treat-sepsis


SICKLE CELL DISEASE

Cannabis use in sickle cell disease: a questionnaire study. (abst - 2005)
Medical use of cannabis in sickle cell disease  (news - 2005)
http://www.chanvre-info.ch/info/it/Medical-use-of-cannabis-in-sickle.html

The prevalence of marijuana smoking in young adults with sickle cell disease: a longitudinal study  (full - 2006)

Marijuana Use Prevalent Among Sickle Cell Patients  (news - 2007)
http://norml.org/index.cfm?Group_ID=7163

Marijuana Use and Sickle Cell Disease  (abst - 2008)
http://abstracts.hematologylibrary.org/cgi/content/abstract/112/11/4826?maxtoshow=&hits=80&RESULTFORM&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1840&resourcetype=HWCIT

Cannabinoids as Analgesics for Pain in Sickle Cell Disease.  (abst - 2009)
http://abstracts.hematologylibrary.org/cgi/content/abstract/114/22/822?maxtoshow=&hits=80&RESULTFORM&fulltext=cannabinoid&searchid=1&FIRSTINDEX=240&resourcetype=HWCIT

New Era Dawns on Sickle Cell Pain  (full - 2010)
http://bloodjournal.hematologylibrary.org/cgi/reprint/116/3/311

Pain related behaviors and neurochemical alterations in mice expressing sickle hemoglobin: modulation by cannabinoids.  (full - 2010)
http://bloodjournal.hematologylibrary.org/content/116/3/456.long

Cannabinoids Offer Novel Treatment for Pain in Sickle Cell Disease, Study Suggests  (news - 2010)  

UM researcher identifies novel treatment for pain in sickle cell disease  (news – 2010)

Mouse models for studying pain in sickle disease: effects of strain, age, and acuteness.  (abst – 2011)

Traditional Herbal Management of Sickle Cell Anemia: Lessons from Nigeria  (full – 2012)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3502758/

SINUSITIS *

Medical Marijuana and Sinusitis  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/87?ailment=sinusitis
SLEEP APNEA

THC reduces sleep apnoea in animal research  (news - 2002)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=120#1

Medical Marijuana and Sleep Apnea  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/103?ailment=sleep-apnea

Circulating endocannabinoids and N-acyl-ethanolamides in patients with sleep apnea--specific role of oleylethanolamide.  (abst – 2010)

A study on the endogenous cannabinoid system synthetic and catabolic enzyme levels in patients with obstructive sleep apnea.  (abst – 2011)

Treat sleep apnea with medical marijuana  (news – 2011)

Circulating anandamide and blood pressure in patients with obstructive sleep apnea.  (abst – 2012)

Can cannabinoid drug used for nausea in chemotherapy relieve sleep apnea?  (news – 2012)

Proof of concept trial of dronabinol in obstructive sleep apnea.  (full – 2013)

Intraneodose ganglion injections of dronabinol attenuate serotonin-induced apnea in Sprague-Dawley rat.  (abst – 2013)

Science/Human: THC reduces sleep apnoea in small clinical study  (news – 2013)

Identification of a Pharmacological Target for Genioglossus Reactivation throughout Sleep.  (abst – 2014)

SLEEPING SICKNESS/ TRYPANOSOMIASIS * - also see CHAGAS DISEASE

**SLEEP MODULATION** *

Therapeutic aspects of cannabis and cannabinoids. (full - 2001)  http://bjp.rcpsych.org/cgi/content/full/178/2/107


The cannabinoids R(-)-7-hydroxy-delta-6-tetra-hydrocannabinol-dimethylheptyl (HU-210), 2-O-arachidonoylglycerylether (HU-310) and arachidonyl-2-chloroethylamide (ACEA) increase isoflurane provoked sleep duration by activation of cannabinoids 1 (CB1)-receptors in mice. (abst – 2002)  http://www.ncbi.nlm.nih.gov/pubmed/12095655


Medical Marijuana and Sleep Disorders  (news – 2009)  https://www.marijuanadoctors.com/content/ailments/view/177?ailment=sleep-disorders

Smoked cannabis for chronic neuropathic pain: a randomized controlled trial  (full - 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2950205/?tool=pmcentrez

Endocannabinoid signalling: has it got rhythm?  (full – 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931554/?tool=pmcentrez


The Effects of Nabilone on Sleep in Fibromyalgia: Results of a Randomized Controlled Trial.  (full - 2010)  http://journals.lww.com/anesthesia-analgesia/Fulltext/2010/02000/The_Effects_of_Nabilone_on_Sleep_in_Fibromyalgia_.56.aspx
Sleep and Medicinal Cannabis  (abst - 2010)  


http://adsabs.harvard.edu/abs/2002cond.mat..8590K

Study: Smoking pot may ease chronic pain  (news - 2010)  

Study: Smoking pot may ease chronic pain  (news - 2010)  

Administration of URB597, oleylethanolamide or palmitoylethanolamide increases waking and dopamine in rats.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3136458/?tool=pubmed

A Pilot Study into the Effects of the CB1 Cannabinoid Receptor Agonist WIN55,212-2 or the Antagonist/Inverse Agonist AM251 on Sleep in Rats  (full – 2011)  
http://www.hindawi.com/journals/sd/2011/178469/

Effect of cannabidiol on sleep disruption induced by the repeated combination tests consisting of open field and elevated plus-maze in rats.  (abst – 2011)  

Effects on sleep and dopamine levels of microdialysis perfusion of cannabidiol into the lateral hypothalamus of rats.  (abst – 2011)  

Medical marijuana turns former soldier's life around  (news – 2011)  

http://www.cadth.ca/media/pdf/htis/july-2012/RC0368%20Cannabinoids%20Final.pdf

A Randomized, Double-Blind, Placebo Controlled, Parallel Assignment, Flexible Dose, Efficacy Study of Nabilone as Adjuvant in the Treatment of Diabetic Peripheral Neuropathic Pain Using an Enriched Enrollment Randomized Withdrawal Design  (S38.003)  (abst – 2012)  
http://www.neurology.org/cgi/content/meeting_abstract/78/1_MeetingAbstracts/S38.003?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=180&sortspec=date&resourcetype=HWCIT

Neuromodulators for pain management in rheumatoid arthritis  (abst – 2012)
Marijuana Helps Ease MS Symptoms, Study Finds (news – 2012)
http://www.healthline.com/health-blogs/study-roundup/marijuana-multiple-sclerosis-101112


2-AG into the lateral hypothalamus increases REM sleep and cFos expression in melanin concentrating hormone neurons in rats. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23603032

Cardiorespiratory control as a function of wake-sleep behavior and diet in mice lacking CB1 cannabinoid receptors (abst – 2013) http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/926.1?sid=eea722c0-971c-4dab-8b8c-38c0c63c19ad

The administration of endocannabinoid uptake inhibitors OMDM-2 or VDM-11 promotes sleep and decreases extracellular levels of dopamine in rats. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23238438


Federal Government Reports Marijuana Effective in Combatting Certain Cancers Reports ADSI (news – 2013) http://www.reuters.com/article/2013/03/12/idUSnGNXUXIPEx+1fe+GNW20130312

Medical marijuana helps senior sleep, contend with other problems of aging
Poor Sleep Quality Makes It Harder To Quit Marijuana — Here’s Why  

Medical Marajuana: Consortium of Multiple Sclerosis Centers  

Too little sleep may trigger the 'munchies' by raising levels of an appetite-controlling molecule  
http://www.sciencedex.com/too_little_sleep_may_trigger_the_munchies_by_raising_levels_of_an_appetitecontrolling_molecule-114190

Smoking Pot Eases Tremors in Parkinson's  
http://www.medpagetoday.com/MeetingCoverage/MDS/39933

A double-blind, randomized, placebo-controlled, parallel group study of THC/CBD spray in peripheral neuropathic pain treatment.  

SMALLPOX - also see COW POX

Cannabinoids lead to enhanced virulence of the smallpox vaccine (vaccinia) virus.  
http://www.unboundmedicine.com/medline/ebm/record/21131094/abstract/Cannabinoids_lead_to_enhanced_virulence_of_the_smallpox_vaccine_vaccinia_virus

Genome-wide association study of antibody response to smallpox vaccine.  

SMELL / ODOR DETECTION

Marijuana Odor Perception  

Cannabinoid action in the olfactory epithelium  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1815290/?tool=pubmed

The endocannabinoid 2-arachidonoyl-glycerol controls odor sensitivity in larvae of Xenopus laevis. (full – 2010)  http://www.jneurosci.org/content/30/26/8965.long


Cannabinoid receptor-mediated regulation of neuronal activity in the main olfactory bulb (abst – 2011)  http://www.fasebj.org/cgi/content/meeting_abstract/25/1_MeetingAbstracts/855.3?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCIT


Cannabinoid receptor-mediated regulation of neuronal activity and signaling in glomeruli of the main olfactory bulb. (full– 2012)  http://www.jneurosci.org/content/32/25/8475.long


SMOKED CANNABIS AS A MEDICATION * – also see METHODS OF USE - SMOKING

CANNABIS AND MARINOL IN THE TREATMENT OF MIGRAINE HEADACHE
(full - undated) http://www.druglibrary.org/schaffer/hemp/migrn2.htm


A Dramatic Response to Inhaled Cannabis in a Woman with Central Thalamic Pain and Dystonia (full - 2002) http://www.jpsmjournal.com/article/PII0885392402004268/fulltext


Chronic Cannabis Use in the Compassionate Investigational New Drug Program (abstract & comments - 2002) http://www.letfreedomgrow.com/cmu/chronic_cannabis_use.htm


Medical use of cannabis in sickle cell disease (news - 2005) http://www.chanvre-info.ch/info/it/Medical-use-of-cannabis-in-sickle.html
Evaluation of herbal cannabis characteristics by medical users: a randomized trial (full - 2006)  

The Cannabinoid Cb1 Receptor Antagonist Rimonabant Attenuates the Hypotensive Effect of Smoked Marijuana in Male Smokers. (full – 2006)  
http://www.ahjonline.com/article/S0002-8703%2805%2901013-6/fulltext

Marijuana smoking in young adults with sickle cell (news - 2006)  
http://www.illinoisnorml.org/content/view/309/

Single and multiple doses of rimonabant antagonize acute effects of smoked cannabis in male cannabis users. (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2689519/?tool=pubmed

Dose-dependent Effects of Smoked Cannabis on Capsaicin-Induced Pain and Hyperalgesia in Healthy Volunteers. (full - 2007)  

Dronabinol and marijuana in HIV-positive marijuana smokers: caloric intake, mood, and sleep. (abst - 2007)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=190

Fitness to drive in spite (because) of THC (abst - 2007)  
http://www.unboundmedicine.com/medline/ebm/record/17879702/abstract/%5BFitness_to_drive_in_spite_ _because__of_THC%5D

Study Supports Medical Marijuana Use (news - 2007)  
http://www.drugfree.org/join-together/drugs/study-supports-medical

Smoked Cannabis Proven Effective In Treating Neuropathic Pain (news - 2007)  

Marijuana gives relief from chronic pain for AIDS sufferers (news - 2007)  

Smoked Cannabis Reduces Foot Pain Associated With HIV In Placebo Trial (news - 2007)  

Hypothesizing that marijuana smokers are at a significantly lower risk of carcinogenicity relative to tobacco-non-marijuana smokers: evidenced based on statistical reevaluation of current literature. (full - 2008)  
http://www.thefreelibrary.com/Hypothesizing+that+marijuana+smokers+are+at+a+significantly+lower%2c+-a0196052086

A Randomized, Placebo Controlled Cross-Over Trial of Cannabis Cigarettes in Neuropathic Pain (full - 2008)  
Medicinal Marijuana Effective For Neuropathic Pain In HIV, Study Finds

Marijuana May Be Effective For Neuropathic Pain  (news - 2008)
http://www.sciencedaily.com/releases/2008/06/080626150628.htm

Cannabinoid Receptor 1 Binding Activity and Quantitative Analysis of Cannabis sativa L. Smoke and Vapor  (full – 2009)  https://www.jstage.jst.go.jp/article/cpb/58/2/58_2_201/_pdf

Cluster attacks responsive to recreational cannabis and dronabinol.  (abst - 2009)

http://www.huffingtonpost.com/paul-armentano/tobacco-related-health-co_b_362539.html

Smoked cannabis for chronic neuropathic pain: a randomized controlled trial  (full - 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2950205/?tool=pmcentrez

The relationship between substance use and posttraumatic stress disorder in a methadone maintenance treatment program.  (abst – 2010)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=309

Efficacy and tolerability of high-dose dronabinol maintenance in HIV-positive marijuana smokers: a controlled laboratory study.  (abst – 2010)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=316

Cannabis Inhalation Associated With Spontaneous Tumor Regression  (news - 2010)

Study: Smoking pot may ease chronic pain  (news - 2010)

Smoking cannabis relieves chronic pain  (news – 2010)

Smoked cannabis reduces chronic pain  (news – 2010)
http://phys.org/news202360294.html

Marijuana better than pharmaceuticals at treating chronic pain, improving mood  (news - 2010)  http://www.naturalnews.com/029662_marijuana_chronic_pain.html

Marijuana Smoking Associated with 66% Decrease in Diabetes Risk  (news – 2010)


Smoked cannabis for spasticity in multiple sclerosis: a randomized, placebo-controlled trial. (full – 2012) http://www.cmaj.ca/content/184/10/1143.long


The impact of marijuana use on glucose, insulin, and insulin resistance among US adults (full – 2013) http://www.amjmed.com/article/S0002-9343(13)00200-3/fulltext

Marijuana Smoking Does Not Accelerate Progression of Liver Disease in HIV-Hepatitis C Coinfection: A Longitudinal Cohort Analysis. (full – 2013) http://cid.oxfordjournals.org/content/early/2013/07/03/cid.cit378.long

Magnitude of stimulation dictates the cannabinoid-mediated differential T cell response to HIVgp120 (full – 2013) http://www.jleukbio.org/content/92/5/1093.full


Medicinal Cannabis and Painful Sensory Neuropathy (editorial – 2013) http://virtualmentor.ama-assn.org/2013/05/oped1-1305.html


Smoking Pot Eases Tremors in Parkinson’s  (news – 2013)  http://www.medpagetoday.com/MeetingCoverage/MDS/39933


**SOCIAL ADJUSTMENT/ BEHAVIOR** *


Negative consequences associated with dependence in daily cannabis users  (full - 2007)  http://www.substanceabusepolicy.com/content/2/1/3
Some go without a cigarette: characteristics of cannabis users who have never smoked tobacco. (full - 2007)  http://archpedi.ama-assn.org/cgi/content/full/161/11/1042


Teens who use only cannabis appear to function better than those who also use tobacco (news - 2007)  http://www.news-medical.net/news/2007/11/06/32262.aspx

Are Cigarettes More of a Drag on Teens than Marijuana? (news - 2007)  http://www.scientificamerican.com/article.cfm?id=are-cigarettes-more-of-a


Cannabinoid Modulation of Amygdala Reactivity to Social Signals of Threat in Humans (full - 2008)  http://www.jneurosci.org/cgi/content/full/28/10/2313?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT


Relationship of type 1 cannabinoid receptor availability in the human brain to novelty-seeking temperament. (full – 2009)  http://archpsyc.ama-assn.org/cgi/content/full/66/2/196


Sex difference in cell proliferation in developing rat amygdala mediated by endocannabinoids has implications for social behavior. (full – 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2996668/?tool=pubmed
Uni-Morbid and Co-Occurring Marijuana and Tobacco Use: Examination of Concurrent Associations with Negative Mood States  
(full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2861285/?tool=pubmed

Preservation of Striatal Cannabinoid CB1 Receptor Function Correlates with the Antianxiety Effects of Fatty Acid Amide Hydrolase Inhibition  
(full – 2010)  
http://molpharm.aspetjournals.org/content/78/2/260.long

Cannabis and crime: findings from a longitudinal study.  
(abst - 2010)  
http://www.unboundmedicine.com/medline/ebm/record/19839964/full_citation/Cannabis_and_crime:_findings_from_a_longitudinal_study

A Life-course Perspective on the "Gateway Hypothesis".  
(abst – 2010)  

Gender moderates the impact of stereotype threat on cognitive function in cannabis users.  
(abst – 2010)  

Are Stoners Really Dumb, or Do They Just Think They Are?  
(news – 2010)  
http://healthland.time.com/2010/11/18/are-stoners-really-dumb-or-do-they-just-think-they-are/

Drug-Intake Methods and Social Identity: The Use of Marijuana in Blunts Among Southeast Asian Adolescents and Emerging Adults.  
(full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3193281/?tool=pubmed

The social contagion effect of marijuana use among adolescents.  
(full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3018468/?tool=pubmed

Racial differences in trajectories of heavy drinking and regular marijuana use from ages 13 to 24 among African-American and White males.  
(abst – 2011)  

Cannabidiol reduces the anxiety induced by simulated public speaking in treatment-naïve social phobia patients.  
(abst – 2011)  

Profile of Psychoactive Substances Consumption in Workplace.  
(abst – 2011)  

Alcohol and cannabis abuse/dependence symptoms and life satisfaction in young adulthood.  
(abst – 2011)  

Popular intoxicants: what lessons can be learned from the last 40 years of alcohol and cannabis regulation?  
(abst – 2011)  

The association between early conduct problems and early marijuana use in college students.  
(abst – 2011)  
http://marijuana.researchtoday.net/archive/8/9/4850.htm

Oregon's workplaces safest ever, despite 40,000 medical marijuana patients
The Kids Are All Right, Even if Their Parents Grow Pot  (news – 2011)  

High on Life? Medical Marijuana Laws and Suicide  (full – 2012)  

The Interplay between Parental Monitoring and the Dopamine D4 Receptor Gene in Adolescent Cannabis Use  (full – 2012)  

Differences in Spontaneously Avoiding or Approaching Mice Reflect Differences in CB1-Mediated Signaling of Dorsal Striatal Transmission.  (full – 2012)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0033260  

Acetaminophen differentially enhances social behavior and cortical cannabinoid levels in inbred mice.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC389197/  

The combined effects of parental divorce and parental history of depression on cannabis use in young adults in France.  (abst – 2012)  

Cannabis Use Vulnerability Among Socially Anxious Users: Cannabis Craving During a Social Interaction.  (abst – 2012)  

'It's just a social thing': Drug use, friendship and borderwork among marginalized young people.  (abst – 2012)  

Cannabidiol and clozapine reverse MK-801-induced deficits in social interaction and hyperactivity in Sprague-Dawley rats.  (abst – 2012)  

Effects of delta-9-tetrahydrocannabinol on evaluation of emotional images  
(abst – 2012)  
http://jop.sagepub.com/content/26/10/1289.abstract  

Cannabinoid 2 receptors regulate impulsive behavior  (news – 2012)  

Does Cannabis Boost Creativity?  (news – 2012)  
http://www.wakingtimes.com/2012/03/14/does-cannabis-boost-creativity/  

Identity Formation, Marijuana and “The Self”: A Study of Cannabis Normalization among University Students  (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3847659/

Perception of tobacco, cannabis, and alcohol use of others is associated with one's own use (full – 2013)  http://www.ascpjournal.org/content/8/1/15


Can Marijuana Reduce Social Pain? (abst – 2013)  http://spp.sagepub.com/content/early/2013/05/13/1948550613488949.abstract


This bud’s for you: Marijuana identified as a buffer against loneliness, study suggests

Marijuana Unlikely To Cause Violence, Study Finds  (news – 2013)

Prevalence and correlates of alcohol and cannabis use disorders in the United States: Results from the national longitudinal study of adolescent health. (abst – 2014)

Acute alcohol use temporally increases the odds of male perpetrated dating violence: A 90-day diary analysis  (abst – 2014)

SPASTICITY *

Endocannabinoids control spasticity in a multiple sclerosis model  (full - 2000)
http://www.fasebj.org/content/early/2001/02/02/fj.00-0399fje.full.pdf+html?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andorexactfulltext=and&searchid=1&FIRSTINDEX=10&sortspec=relevance&resourcetype=HWCIT


Experiences with THC-treatment in children and adolescents  (abst - 2003)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=80

http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=79

Do cannabis-based medicinal extracts have general or specific effects on symptoms in multiple sclerosis? A double-blind, randomized, placebo-controlled study on 160 patients.  (abst - 2004)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=56

Are oral cannabinoids safe and effective in refractory neuropathic pain?  (abst - 2004)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=143
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=63


CB1 cannabinoid receptor-mediated modulation of food intake in mice  (full - 2005)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1576140/?tool=pmcentrez

Cannabinoids in multiple sclerosis (CAMS) study: safety and efficacy data for 12 months follow up.  (abst - 2005)

Cannabis-based medicinal extract (Sativex) produced significant improvements in a subjective measure of spasticity which were maintained on long-term treatment with no evidence of tolerance.  (abst - 2005)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=170

The treatment of spasticity with Delta(9)-tetrahydrocannabinol in persons with spinal cord injury.  (abst - 2006)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=166

Low dose treatment with the synthetic cannabinoid Nabilone significantly reduces spasticity-related pain: A double-blind placebo-controlled cross-over trial. (abst - 2006)
http://www.unboundmedicine.com/medline/ebm/record/16988792/abstract/Low_dose_treatment_with_the_synthetic_cannabinoid_Nabilone_significantly_reduces_spasticity_related_pain:_A_double_blind_placebo_controlled_cross_over_trial


Control of Spasticity in a Multiple Sclerosis Model is mediated by CB1, not CB2, Cannabinoid Receptors  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2189718/?tool=pmcentrez

Randomized controlled trial of cannabis-based medicine in spasticity caused by multiple sclerosis  (abst - 2007)  (needs free registration)

Motor effects of delta 9 THC in cerebellar Lurcher mutant mice.  (abst - 2007)
http://www.unboundmedicine.com/medline/ebm/record/17531329/abstract/Motor_effects_of_delta_9_THC_in_cerebellar_Lurcher_mutant_mice

Cannabinoids in the management of spasticity associated with multiple sclerosis

Minocycline treatment inhibits microglial activation and alters spinal levels of endocannabinoids in a rat model of neuropathic pain (full – 2009) http://www.molecularpain.com/content/5/1/35


Meta-analysis of the efficacy and safety of Sativex (nabiximols), on spasticity in people with multiple sclerosis (abst - 2010) http://msj.sagepub.com/cgi/content/abstract/16/6/707?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=0&sortspec=date&resourcetype=HWCIT


Emerging treatment options for spasticity in multiple sclerosis; clinical utility of cannabinoids (link to PDF – 2011) http://www.dovepress.com/articles.php?article_id=7675


Cannabinoids in children  (abst – 2011)

The Therapeutic Potential of Cannabis and Cannabinoids  (full – 2012)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3442177/

Evaluation of the Effects of Sativex (THC BDS: CBD BDS) on Inhibition of Spasticity in a Chronic Relapsing Experimental Allergic Autoimmune Encephalomyelitis: A Model of Multiple Sclerosis.  (full – 2012)

Smoked cannabis for spasticity in multiple sclerosis: a randomized, placebo-controlled trial.  (full – 2012)
http://www.cmaj.ca/content/184/10/1143.long

Clinical efficacy and effectiveness of Sativex, a combined cannabinoid medicine, in multiple sclerosis-related spasticity.  (abst – 2012)

Nabiximols in the treatment of spasticity, pain and urinary symptoms due to multiple sclerosis.  (abst – 2012)


What place for cannabis extract in MS?  (abst – 2012)
http://dtb.bmj.com/content/50/12/141.abstract

Treatment of spasticity in multiple sclerosis: new perspectives regarding the use of cannabinoids  (abst – 2012)

Cost Effectiveness of Oromucosal Cannabis-Based Medicine (Sativex®) for Spasticity in Multiple Sclerosis.  (abst – 2012)

Treatment of spasticity in multiple sclerosis: new perspectives regarding the use of cannabinoids  (abst – 2012)

Smoked Cannabis Reduces Some Symptoms of Multiple Sclerosis  (news – 2012)

Cannabis as Painkiller  (news – 2012)
http://www.sciencedaily.com/releases/2012/08/120807101232.htm

Endocannabinoid system modulator use in everyday clinical practice in the UK and Spain.  (abst – 2013)


**SPINAL CORD INJURY** *

Selective cannabinoid CB1 receptor activation inhibits spinal nociceptive transmission in vivo. (full – 2001) [http://jn.physiology.org/content/86/6/3061.long](http://jn.physiology.org/content/86/6/3061.long)


Are oral cannabinoids safe and effective in refractory neuropathic pain? (abst - 2004)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=143

Interaction between gamma-aminobutyric acid GABAB and cannabinoid CB1 receptors in spinal pain pathways in rat (abst – 2005)  

Treatments for Chronic Pain in Persons With Spinal Cord Injury: A Survey Study (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1864800/?tool=pmcentrez

Antinociceptive effect of cannabinoid agonist WIN 55,212–2 in rats with a spinal cord injury (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1861843/?tool=pmcentrez

Effects of a Cannabinoid Agonist on Spinal Nociceptive Neurons in a Rodent Model of Neuropathic Pain (full - 2006)  
http://jn.physiology.org/cgi/content/full/96/6/2984

Cannabinoids In Medicine: A Review Of Their Therapeutic Potential (full – 2006)  

The treatment of spasticity with Delta(9)-tetrahydrocannabinol in persons with spinal cord injury. (abst - 2006)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=166

Effects of palmitoylethanolamide on signaling pathways implicated in the development of spinal cord injury. (full – 2008)  
http://jpet.aspetjournals.org/content/326/1/12.long

Sustained antinociceptive effect of cannabinoid receptor agonist WIN 55,212-2 over time in rat model of neuropathic spinal cord injury pain (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2743245/?tool=pmcentrez

The nonpsychotropic cannabinoid cannabidiol modulates and directly activates alpha-1 and alpha-1-Beta glycine receptor function (abst – 2009)  

Medical Marijuana and Whiplash (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/97? ailment=whiplash-

Cannabinoid receptor-mediated antinociception with acetaminophen drug combinations in rats with neuropathic spinal cord injury pain. (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2826109/?tool=pubmed

http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=313

Cannabinoid subtype-2 receptors modulate the antihyperalgesic effect of WIN 55,212-2 in rats with neuropathic spinal cord injury pain. (abst – 2010)  


Cannabinoid Agonists Inhibit Neuropathic Pain Induced by Brachial Plexus Avulsion in Mice by Affecting Glial Cells and MAP Kinases. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3172222/?tool=pubmed


Targetting CB1 Cannabinoid Receptor for Neuroprotetion in Spinal Cord Injury (abst – 2011) http://www.fasebj.org/cgi/content/meeting_abstract/25/1_MeetingAbstracts/lb422?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCIT


Early Endogenous Activation of CB1 and CB2 Receptors after Spinal Cord Injury Is a Protective Response Involved in Spontaneous Recovery (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3496738/
A Role for the Cannabinoid 1 Receptor in Neuronal Differentiation of Adult Spinal Cord Progenitors in vitro is Revealed through Pharmacological Inhibition and Genetic Deletion.  (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3265030/?tool=pubmed

A cell population that strongly expresses the CB1 cannabinoid receptor in the ependyma of the rat spinal cord (abst – 2012) http://www.biomedexperts.com/Abstract.bme/22791629/A_cell_population_that_strongly_expresses_the_CB1_cannabinoid_receptor_in_the_ependyma_of_the_rat_spinal_cord

The interaction between intrathecal administration of low doses of palmitoylethanolamide and AM251 in formalin-induced pain related behavior and spinal cord IL1-β expression in rats.  (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22201038


Molecular evidence for the involvement of PPAR-δ and PPAR-γ in anti-inflammatory and neuroprotective activities of palmitoylethanolamide after spinal cord trauma (full – 2013) http://www.jneuroinflammation.com/content/10/1/20


A new co-ultramicronized composite including palmitoylethanolamide and luteolin to prevent neuroinflammation in spinal cord injury (full – 2013) http://www.jneuroinflammation.com/content/10/1/91

Palmitoylethanolamide in Homeostatic and Traumatic Central Nervous System Injuries (link to PDF - 2013) http://www.eurekaselect.com/107976/article


**SPINOCEREBELLAR ATAXIA** - an inherited neurodegenerative disorder


**SPLEEN** *

Delta(9)-tetrahydrocannabinol-induced apoptosis in the thymus and spleen as a mechanism of immunosuppression in vitro and in vivo.  (full – 2002)  http://jpet.aspetjournals.org/content/302/2/451.long

A Cyclooxygenase Metabolite of Anandamide Causes Inhibition of Interleukin-2 Secretion in Murine Splenocytes  (full – 2004)  http://jpet.aspetjournals.org/content/311/2/683.full

Regulatory effect of cannabinoid receptor agonist on chemokine-induced lymphocyte chemotaxis.  (full – 2011)  https://www.jstage.jst.go.jp/article/bpb/34/7/34_7_1090/_pdf


Magnitude of stimulation dictates the cannabinoid-mediated differential T cell response to HIVgp120  (full – 2013)  http://www.jleukbio.org/content/92/5/1093.full

Cannabinoid Receptor 2 (CB2) Plays a Role in the Generation of Germlinal Center and Memory B Cells, but Not in the Production of Antigen-Specific IgG and IgM, in Response to T-dependent Antigens  (full – 2013)  http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0067587


**STEM CELLS**

Expression and function of cannabinoid receptors CB1 and CB2 and their cognate cannabinoid ligands in murine embryonic stem cells.  (full – 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1919431/?tool=pubmed
CB2 cannabinoid receptors promote mouse neural stem cell proliferation. (abst – 2007)  

Endocannabinoids Are Expressed in Bone Marrow Stromal Niches and Play a Role in Interactions of Hematopoietic Stem and Progenitor Cells with the Bone Marrow Microenvironment  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2975171/?tool=pubmed

Cannabinoid receptor 2 and its agonists mediate hematopoiesis and hematopoietic stem and progenitor cell mobilization.  (abst – 2011)  

Pleiotropic effects of prostaglandin E(2) in hematopoiesis; prostaglandin E(2) and other eicosanoids regulate hematopoietic stem and progenitor cell function.  (abst – 2011)  

Cannabinoid receptor 2 and its agonists mediate hematopoiesis and hematopoietic stem and progenitor cell mobilization.  (abst – 2011)  

Scientists Meet to Discuss Cannabinoids and Stem Cells  (news – 2011)  

Type-1 (CB(1)) Cannabinoid Receptor Promotes Neuronal Differentiation and Maturation of Neural Stem Cells.  (full – 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0054271

The effect cannabichromene on adult neural stem/progenitor cells.  (abst – 2013)  

Cannabinoid receptor signaling in progenitor/stem cell proliferation and differentiation.  (abst – 2013)  

Impact of omega-6 polyunsaturated fatty acid supplementation and γ-aminobutyric acid on astrogliogenesis through the endocannabinoid system  (abst – 2013)  

Effects of cannabinoid receptor type 2 on endogenous myocardial regeneration by activating cardiac progenitor cells in mouse infarcted heart.  (link to PDF – 2014)  
**STIFF-PERSON SYNDROME**

Cures, Not Wars, Chant Supporters of Legalizing Marijuana  (news/ anecdotal – 2004)  

Cannabis derivatives therapy for a seronegative stiff-person syndrome: a case report.  
(abst – 2012)  

Science/Human: Cannabis effective in a patient with stiff person syndrome  
(news – 2012)  

Stiff Person Syndrome  
(news – 2012)  
http://www.inspire.com/groups/rare-disease/discussion/stiff-person-syndrome-18/

**STRESS** - also see ANXIETY, POST TRAUMATIC STRESS DISORDER

Cannabinoid CB1-mediated inhibition of stress-induced gastric ulcers in rats  
(abst – 2000)  
http://www.springerlink.com/content/w3jc8rk16k9p92fl/

Endogenous Cannabinoids Take the Edge off Neuroendocrine Responses to Stress  
(full – 2004)  

Synergistic Interactions between Cannabinoids and Environmental Stress in the Activation of the Central Amygdala  
(full - 2005)  
http://www.nature.com/npp/journal/v30/n3/full/1300535a.html

Body's Own Marijuana-Like Compounds Are Crucial For Stress-Induced Pain Relief  
(news - 2005)  
http://www.sciencedaily.com/releases/2005/06/050628064435.htm

Endocannabinoids -- The Brain's Cannabis -- Demonstrate Novel Modes Of Action To Stress  
(news - 2005)  

Endocannabinoids Mediate the Effects of Acute Stress and Corticosterone on Sex Behavior  
(full – 2007)  
http://endo.endojournals.org/content/148/2/493.full

Association of the Cannabinoid Receptor Gene (CNR1) With ADHD and Post-Traumatic Stress Disorder  
(full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2685476/?tool=pubmed

Endocannabinoids: Stress, Anxiety, and Fear  
(full - 2009)  
http://neuro.psychiatryonline.org/article.aspx?articleid=103676&resultClick=3

Circulating endocannabinoids and N-acyl ethanolamines are differentially regulated in major depression and following exposure to social stress.  
(full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2716432/?tool=pubmed
Cannabinoid Receptor Activation in the Basolateral Amygdala Blocks the Effects of Stress on the Conditioning and Extinction of Inhibitory Avoidance  (full - 2009)
http://www.jneurosci.org/cgi/content/full/29/36/11078?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=Dr.+Irit+Akirav++and+orexactfulltext=and&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT

Voluntary Exercise and Sucrose Consumption Enhance Cannabinoid CB1 Receptor Sensitivity in the Striatum  (full – 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3055381/?tool=pubmed

Effects of {Delta}9-tetrahydrocannabinol on reward and anxiety in rats exposed to chronic unpredictable stress.  (abst - 2009)
http://www.unboundmedicine.com/medline/ebm/record/19406854/abstract/Effects_of_%7BDelta%7D9_tetrahydrocannabinol_on_reward_and_anxiety_in_rats_exposed_to_chronic_unpredictable_stress

Endogenous cannabinoid signaling is essential for stress adaptation  (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2889099/?tool=pmcentrez

Motion Sickness, Stress and the Endocannabinoid System  (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2873996/?tool=pmcentrez

Maternal Dietary Fat Determines Metabolic Profile and the Magnitude of Endocannabinoid Inhibition of the Stress Response in Neonatal Rat Offspring  (full – 2010)
http://endo.endojournals.org/content/151/4/1685.full?sid=f9729cfe-d221-42d4-81d8-8545db5df878

Deficiency in Endocannabinoid Signaling in the Nucleus Accumbens Induced by Chronic Unpredictable Stress  (full - 2010)
http://www.nature.com/npp/journal/v35/n11/full/npp201099a.html

Receptors triggered by pot may lessen hit from chronic stress  (news – 2010)


Deficiency of type 1 cannabinoid receptors worsens acute heart failure induced by pressure overload in mice (full – 2012) http://eurheartj.oxfordjournals.org/content/33/24/3124.full

Acute Stress Increases Circulating Anandamide and Other N-Acylethanolamines in Healthy Humans (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3442338/


Bidirectional regulation of endocannabinoid signaling in the amygdala contributes to activation and adaptation of the stress response (abst – 2012) http://www.journaldatabase.org/articles/bidirectional_regulation.html


Cannabinoid Modulation of Midbrain Urocortin 1 Neurones During Acute and Chronic Stress  (abst – 2012)  


Translational evidence for the involvement of the endocannabinoid system in stress-related psychiatric illnesses.   (full – 2013)  
http://www.biolmoodanxietydisord.com/content/3/1/19


The anxiolytic effect of cannabidiol on chronically stressed mice depends on hippocampal neurogenesis: involvement of the endocannabinoid system.  (abst – 2013)  

Cannabinoids and traumatic stress modulation of contextual fear extinction and GR expression in the amygdala-hippocampal-prefrontal circuit.   (abst – 2013)  


Cannabinoid modulation of chronic mild stress-induced selective enhancement of trace fear conditioning in adolescent rats.   (abst – 2013)  


Reductions in circulating endocannabinoid levels in individuals with post-traumatic stress disorder following exposure to the world trade center attacks.   (abst – 2013)  

Effects of the fatty acid amide hydrolase inhibitor URB597 on coping behavior under challenging conditions in mice.   (abst – 2013)  

Cannabinoid Receptor Activation Prevents the Effects of Chronic Mild Stress on Emotional Learning and LTP in a Rat Model of Depression.   (abst – 2013)


Why resolutions about taking up physical activity are hard to keep. (news – 2013) http://www.thefreelibrary.com/Why+resolutions+about+taking+up+physical+activity+are+hard+to+keep.-a0313904638


**STORAGE of CANNABIS** (I know these are old, but questions on storage come up often!)


Keep Your Marijuana Fresh With This Long-Term Storage Option (news – 2012) http://www.weddist.com/2012/07/keep-your-marijuana-fresh-with-this-long-term-storage-option/
Control of the cell survival/death decision by cannabinoids. (abst – 2001)

Increased Severity of Stroke in CB1 Cannabinoid Receptor Knock-Out Mice
(full - 2002)
http://www.jneurosci.org/cgi/content/full/22/22/9771?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&resourcetype=HWCIT#Top


(Assignee (owner)- the US GOVERNMENT!)
http://www.patentstorm.us/patents/6630507/fulltext.html

Post-ischemic Treatment with Cannabidiol Prevents Electroencephalographic Flattening,
Hyperlocomotion and Neuronal Injury in Gerbils.  (abst – 2003)

Therapeutic potential of cannabinoids in CNS disease.  (abst - 2003)

Cannabidiol prevents infarction via the non-CB1 cannabinoid receptor mechanism.

Cannabidiol Prevents Cerebral Infarction Via a Serotonergic 5-Hydroxytryptamine1A
Receptor–Dependent Mechanism  (full - 2005)
http://stroke.ahajournals.org/cgi/content/full/36/5/1071

Medical marijuana: study shows that THC slows atherosclerosis  (news - 2005)

Characterization of the neuroprotective effect of the cannabinoid agonist WIN-55212 in

The CB1 Cannabinoid Receptor Mediates Excitotoxicity-induced Neural Progenitor
Proliferation and Neurogenesis  (full - 2007)  http://www.jbc.org/content/282/33/23892.full

Cannabinoid CB2 receptor activation decreases cerebral infarction in a mouse focal
ischemia/reperfusion model  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2637559/?tool=pmcentrez
Δ9-Tetrahydrocannabinol (THC) and AM 404 protect against cerebral ischaemia in gerbils through a mechanism involving cannabinoid and opioid receptors  (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2189998/?tool=pmcentrez

Delayed treatment with cannabidiol has a cerebroprotective action via a cannabinoid receptor-independent myeloperoxidase-inhibiting mechanism.  (full - 2007) http://www3.interscience.wiley.com/cgi-bin/fulltext/118484119/HTMLSTART

Delta(9)-tetrahydrocannabinol (Delta(9)-THC) prevents cerebral infarction via hypothalamic-independent hypothermia.  (abst - 2007) http://www.unboundmedicine.com/medline/ebm/record/17289082/abstract/Delta_9__tetrahydrocannabinol__Delta_9__THC__prevents_cerebral_infarction_via_hypothalamic_independent_hypothermia


Role of cannabinoids and endocannabinoids in cerebral ischemia  (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2581413/?tool=pmcentrez

Modulation of the balance between cannabinoid CB(1) and CB(2) receptor activation during cerebral ischemic/reperfusion injury  (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2577828/

Cannabinoid receptors in acute and chronic complications of atherosclerosis (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219535/?tool=pmcentrez

Endocannabinoids and cannabinoid receptors in ischaemia–reperfusion injury and preconditioning  (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219536/?tool=pmcentrez

Cannabidiol prevents a post-ischemic injury progressively induced by cerebral ischemia via a high-mobility group box1-inhibiting mechanism.  (abst - 2008) http://www.ncbi.nlm.nih.gov/pubmed/18634812


Modulation of cannabinoid receptor activation as a neuroprotective strategy for EAE and stroke.  (full – 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2855650/?tool=pubmed

Therapeutic time window of cannabidiol treatment on delayed ischemic damage via high-mobility group box1-inhibiting mechanism.  (full – 2009) https://www.jstage.jst.go.jp/article/bpb/32/9/32_9_1538/_pdf

Pretreatment with electroacupuncture induces rapid tolerance to focal cerebral ischemia through regulation of endocannabinoid system.  (full – 2009) http://stroke.ahajournals.org/content/40/6/2157.long


Activation of cannabinoid 2 receptors protects against cerebral ischemia by inhibiting neutrophil recruitment.  (full – 2010)  http://www.fasebj.org/content/24/3/788.long

Therapeutic Potential of Non-Psychotropic Cannabidiol in Ischemic Stroke  (link to PDF – 2010)  http://www.mdpi.com/1424-8247/3/7/2197


The neuroprotective effect of cannabidiol in an in vitro model of newborn hypoxic-ischemic brain damage in mice is mediated by CB(2) and adenosine receptors.  (abst – 2010)  http://www.unboundmedicine.com/medline/ebm/record/19900555/abstract/The_neuroprotective_effect_of_cannabidiol_in_an_in_vitro_model_of_newborn_hypoxic_ischemic_brain_damage_in_mice_is-mediated_by_CB_2_and_adenosine_receptors


Contribution of Hypothermia and CB(1) Receptor Activation to Protective Effects of TAK-937, a Cannabinoid Receptor Agonist, in Rat Transient MCAO Model.  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3397930/?tool=pubmed

Update on the role of cannabinoid receptors after ischemic stroke.  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3337695/?tool=pubmed
Targeting cannabinoid receptor CB2 in cardiovascular disorders: promises and controversies  (full – 2012)  

Cerebroprotective effects of TAK-937, a cannabinoid receptor agonist, on ischemic brain damage in middle cerebral artery occluded rats and non-human primates.  (abst – 2012)  

Cannabinoid type 2 receptor activation downregulates stroke-induced classic and alternative brain macrophage/microglial activation concomitant to neuroprotection.  (abst – 2012)  

The Cannabinoid WIN 55212-2 Mitigates Apoptosis and Mitochondrial Dysfunction After Hypoxia Ischemia.  (abst – 2012)  

Reduced infarct size and accumulation of microglia in rats treated with WIN 55,212-2 after neonatal stroke.  (abst – 2012)  

The Role of Cannabinoids In Inflammatory Modulation of Allergic Respiratory Disorders, Inflammatory Pain and Ischemic Stroke.  (abst – 2012)  

Orally administered oleoylthanolamide protects mice from focal cerebral ischemic injury by activating peroxisome proliferator-activated receptor α.  (abst – 2012)  

Cannabinoid Receptor Subtypes 1 and 2 Mediate Long-Lasting Neuroprotection and Improve Motor Behaviour Deficits After Transient Focal Cerebral Ischemia.  (abst – 2012)  

WIN55,212-2 protects oligodendrocyte precursor cells in stroke penumbra following permanent focal cerebral ischemia in rats.  (abst – 2012)  

WIN55, 212-2 promotes differentiation of oligodendrocyte precursor cells and improve remyelination through regulation of the phosphorylation level of the ERK 1/2 via cannabinoid receptor 1 after stroke-induced demyelination.  (abst – 2012)  

“A Marijuana Bud a Day Keeps the Stroke Away”  (news – 2012)  
http://www.tokeofthetown.com/2012/04/a_marijuana_bud_a_day_keeps_the_stroke_away.php

Molecular targets underlying SUMO-mediated neuroprotection in brain ischemia (full – 2013)  

Is the cardiovascular system a therapeutic target for cannabidiol?  (full – 2013)  
Does smoking marijuana cause stroke?  (article - 2013)  
http://www.thepoisonreview.com/2013/01/26/does-smoking-marijuana-cause-stroke/

WIN55, 212-2 promotes differentiation of oligodendrocyte precursor cells and improve remyelination through regulation of the phosphorylation level of the ERK 1/2 via cannabinoid receptor 1 after stroke-induced demyelination.  (abst – 2013)  

Nicotine-Induced Neuroprotection Against Ischemic Injury Involves Activation of Endocannabinoid System in Rats  (abst – 2013)  

Activation of Cannabinoid CB2 Receptor-Mediated AMPK/CREB Pathway Reduces Cerebral Ischemic Injury.  (abst – 2013)  

Drug-Induced Hypothermia in Stroke Models: Does it Always Protect?  (abst – 2013)  

Effect of cannabinoid CB2 receptor agonism on learning and memory in a mouse model of photothrombosis  (abst – 2013)  
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1097.4?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad

Cerebroprotective effects of TAK-937, a novel cannabinoid receptor agonist, in permanent and thrombotic focal cerebral ischemia in rats: Therapeutic time window, combination with t-PA and efficacy in aged rats.  (abst – 2013)  

Activation of cannabinoid CB2 receptor-mediated AMPK/CREB pathway reduces cerebral ischemic injury.  (abst – 2013)  


Interplay of cannabinoid 2 (CB2) receptors with nitric oxide synthases, oxidative and nitrative stress, and cell death during remote neurodegeneration  (abst – 2013)  

Synthetic Cannabis and Acute Ischemic Stroke.  (abst – 2013)  

Ischemic stroke after use of the synthetic marijuana "spice"  (abst – 2013)  

Unique effects of compounds active at both cannabinoid and serotonin receptors during stroke.  (abst – 2013)  

Activation of cortical type 2 cannabinoid receptors ameliorates ischemic brain injury  (news – 2013)  
http://www.sciencedaily.com/releases/2013/02/130221141140.htm
Cannabinoid Trans-Caryophyllene Protects Brain Cells From Ischemia  (news – 2013)
http://www.medicalnewstoday.com/articles/256799.php

Smoking "spice" associated with stroke in healthy, young adults  (news – 2013)
http://www.medicalnewstoday.com/releases/269132.php

STUTTERING

Marihuana and Stuttering  (anecdotal – undated)
http://rxmarijuana.com/shared_comments/stuttering.htm

Medical Marijuana and Stuttering  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/63?ailment=stuttering

Stuttering, Pain and Battle Fatigue Part 1  (news – 2011)

Stuttering, Pain and Battle Fatigue Part 2  (news – 2011)

SUICIDE

Cannabis and suicide: longitudinal study.  (abst - 2009)


Suicides in other trials led to early termination of trial into effects of weight loss drug rimonabant on cardiovascular outcomes (CRESCENDO study)  (news – 2010)
http://www.eurekalert.org/pub_releases/2010-08/lsio081110.php

Risk of suicide spurs rimonabant trial to end.  (news – 2010)
http://www.thefreelibrary.com/Risk+of+suicide+spurs+rimonabant+trial+to+end._a0238838571

High on Life? Medical Marijuana Laws and Suicide  (full – 2012)

Suicidal ideation and self-harm following K2 use.  (abst – 2013)
Medical Marijuana May Prevent Suicides, Study Finds  (news – 2013)

Medical Marijuana Laws and Suicides by Gender and Age  (abst – 2014)

Medical Marijuana Cuts Suicide Rates By 10% In Years Following Legalization  (news – 2014)
http://www.medicaldaily.com/medical-marijuana-cuts-suicide-rates-10-years-following-legalization-268472

TASTE * - also see APPETITE STIMULANT

Overeating, Alcohol and Sucrose Consumption Decrease in Cb1 Receptor Deleted Mice.  (abst – 2004)

AM 251 produces sustained reductions in food intake and body weight that are resistant to tolerance and conditioned taste aversion  (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1615836/?tool=pmcentrez

Endocannabinoid hedonic hotspot for sensory pleasure: anandamide in nucleus accumbens shell enhances 'liking' of a sweet reward.  (full – 2007)
http://www.nature.com/npp/journal/v32/n11/full/1301376a.html

Endocannabinoids selectively enhance sweet taste  (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2818929/?tool=pmcentrez

Enhanced Sweet Taste: Endocannabinoids Act Directly on Tongue Taste Receptors  (news - 2009)

Chemicals in pot stimulate tongue receptors to taste sweetness.  (news - 2009)
http://www.thefreelibrary.com/Chemicals+in+pot+stimulate+tongue+receptors+to+taste+sweetness.-a0215089160

Enhanced sweet taste: This is your tongue on pot  (news – 2009)

Modulation of sweet taste sensitivity by orexigenic and anorexigenic factors.  (full – 2010)
https://www.jstage.jst.go.jp/article/endocrj/57/6/57_K10E-095/_pdf

Reciprocal modulation of sweet taste by leptin and endocannabinoids.  (abst – 2010)


Conditioned taste aversion elicited by synthetic cannabinoid JWH-018 in mice is attenuated by pretreatment with phytocannabinoid {Delta}9-THC  (abst – 2013)  http://www.fasebj.org/cgi/content/meeting_abstract/26/1_MeetingAbstracts/660.4?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad


**TAXONOMY/GENETICS OF CANNABIS** *


THC (TETRAHYDROCANNABINOL) ACCUMULATION IN GLANDS OF CANNABIS (CANNABACEAE) (full - 2001)
http://www.hempreport.com/issues/17/malbody17.html

The inheritance of chemical phenotype in Cannabis sativa L. (full - 2002)


The Gene Controlling Marijuana Psychoactivity: MOLECULAR CLONING AND HETEROLOGOUS EXPRESSION OF Δ1-TETRAHYDROCANNABINOLIC ACID SYNTHASE FROM CANNABIS SATIVA L. (full - 2004)
http://www.jbc.org/content/279/38/39767.full

A chemotaxonomic analysis of cannabinoid variation in Cannabis (Cannabaceae) (full – 2004) http://www.amjbot.org/content/91/6/966.full


RAPD markers encoding retrotransposable elements are linked to the male sex in Cannabis sativa L. (full – 2005) http://www.ncbi.nlm.nih.gov/pubmed/16391699

Tetrahydrocannabinolic acid synthase, the enzyme controlling marijuana psychoactivity, is secreted into the storage cavity of the glandular trichomes. (abst – 2005) http://www.ncbi.nlm.nih.gov/pubmed/16024552

Genetic Variation in Hemp and Marijuana (Cannabis sativa L.) According to Amplified Fragment Length Polymorphisms (full – 2006)


Cannabidiolic-acid synthase, the chemotype-determining enzyme in the fiber-type Cannabis sativa (full – 2007)

History of Cannabis and Its Preparations in Saga, Science and Sobriquet (link to PDF - 2007)
Phytochemical and genetic analyses of ancient cannabis from Central Asia (full - 2008)  
[link]

DNA polymorphism detection of Cannabis using amplified fragment length polymorphism (abst - 2008)  
[link]

Genetic individualization of Cannabis sativa by a short tandem repeat multiplex system (abst - 2008)  
[link]

Results of molecular analysis of an archaeological hemp (Cannabis sativa L.) DNA sample from North West China (abst – 2008)  
[link]

Identification of candidate genes affecting Δ9-tetrahydrocannabinol biosynthesis in Cannabis sativa (full - 2009)  
[link]

[link]

Assessment of Cannabinoids Content in Micropropagated Plants of Cannabis sativa and Their Comparison with Conventionally Propagated Plants and Mother Plant during Developmental Stages of Growth. (abst - 2009)  
[link]

Assessment of the Genetic Stability of Micropropagated Plants of Cannabis sativa by ISSR Markers. (abst - 2009)  
[link]

Hemp And Marijuana: Genes Producing THC, Active Ingredient In Cannabis Plant, Identified (news - 2009)  
[link]

Genes producing tetrahydrocannabinol in marijuana identified (news - 2009)  
[link]

Characteristics of Cannabis sativa L.: seed morphology, germination and growth characteristics, and distinction from Hibiscus cannabinus L (full - 2010)  
[link]

In silicio expression analysis of PKS genes isolated from Cannabis sativa L. (full – 2010)
Assessment of the Genetic Stability of Micropropagated Plants of Cannabis sativa by ISSR Markers (abst – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3036156/?tool=pubmed

Genetic Identification of Female Cannabis sativa Plants at Early Developmental Stage (abst - 2010)

The results of an experimental indoor hydroponic Cannabis growing study, using the 'Screen of Green' (ScrOG) method-Yield, tetrahydrocannabinol (THC) and DNA analysis. (abst – 2010)

Metabolic fingerprinting of Cannabis sativa L., cannabinoids and terpenoids for chemotaxonomic and drug standardization purposes. (abst – 2010)

Assessment of the genetic stability of micropropagated plants of Cannabis sativa by ISSR markers. (abst – 2010)

The results of an experimental indoor hydroponic Cannabis growing study, using the 'Screen of Green' (ScrOG) method-Yield, tetrahydrocannabinol (THC) and DNA analysis. (abst – 2010)

The draft genome and transcriptome of Cannabis sativa. (full - 2011)
http://genomebiology.com/content/pdf/gb-2011-12-10-r102.pdf

Heterogeneity in the composition of marijuana seized in California. (full – 2011)

Characteristics of cannabinoids composition of Cannabis plants grown in Northern Thailand and its forensic application. (abst – 2011)

A real-time PCR assay for the relative quantification of the tetrahydrocannabinolic acid (THCA) synthase gene in herbal Cannabis samples (abst – 2011)

Investigations into the Hypothesis of Transgenic Cannabis (abst – 2011)

Medicinal Genomics Sequences the Cannabis Genome to Assemble the Largest Known Gene Collection of this Therapeutic Plant. (news – 2011)
http://www.thefreelibrary.com/Medicinal+Genomics+Sequences+the+Cannabis+Genome+to+Assemble+the+cannabis+genome:+How+hemp+got+high (news – 2011)
“Skunk” is not “genetically engineered”  (news – 2011)  
http://ukcia.org/wordpress/?p=697

Identification of olivetolic acid cyclase from Cannabis sativa reveals a unique catalytic route to plant polyketides.  (full – 2012)  
http://www.pnas.org/content/early/2012/07/10/1200330109.long

CYTOLOGICAL STUDIES OF CANNABIS SATIVA IN SHIMLA HILLS OF HIMACHAL PRADESH  (full – 2012)  
http://www.cibtech.org/J%20LIFE%20SCIENCES/PUBLICATIONS/2012/Vol%202/No%201/41%20Suman%20Kaushal%20Kangra.pdf

Hemp Biology - Industrial Hemp vs. Marijuana  (article – 2012)  

Hemp Species  (article – 2012)  
http://www.innvista.com/health/foods/hemp/hemp-species/

The hexanoyl-CoA precursor for cannabinoid biosynthesis is formed by an acyl-activating enzyme in Cannabis sativa trichomes.  (abst – 2012)  

Cannabis - from cultivar to chemovar.  (abst – 2012)  

Structure and Function of Δ1-Tetrahydrocannabinolic Acid (THCA) Synthase, the Enzyme Controlling the Psychoactivity of Cannabis sativa.  (abst - 2012)  

Researchers identify cannabinoid-making pathway  (news – 2012)  

Development Of Marijuana Varieties To Produce Pharmaceuticals  (news – 2012)  
http://www.medicalnewstoday.com/releases/247908.php

U of S researchers discover cannabis 'pharma factory'  (news – 2012)  
http://www.sciencedcodex.com/u_of_s_researchers_discover_cannabis_pharma_factory-95000

Extraction of high quality DNA from seized moroccan cannabis resin (hashish).  (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3790795/

Early Phenylpropanoid Biosynthetic Steps in Cannabis sativa: Link between Genes and Metabolites  (link to PDF – 2013)  
http://www.mdpi.com/1422-0067/14/7/13626

Analysis of the NMI01 marker for a population database of cannabis seeds.  (abst – 2013)  


TEETH/DENTISTRY *


Cannabis use and destructive periodontal diseases among adolescents (abst - 2009) http://www.unboundmedicine.com/medline/ebm/record/19236530/abstract/Cannabis_use_and_destructive_periodontal_diseases_among_adolescents


Cannabinoid receptors in submandibular acinar cells: Functional coupling between saliva fluid and electrolytes secretion and Ca2+ signalling (full – 2012) http://jcs.biologists.org/content/125/8/1884.full


Magnolol Ameliorates Ligature-Induced Periodontitis in Rats and Osteoclastogenesis: In Vivo and In Vitro Study (full – 2013) http://www.hindawi.com/journals/ecam/2013/634095/


**THROMBOCYTOPENIA** – see CHRONIC CHILDHOOD IMMUNE THROMBOCYTOPENIA

**THYROID FUNCTION** – also see GRAVES DISEASE

Evidence for functional CB1 cannabinoid receptor expressed in the rat thyroid (full – 2002) http://www.eje-online.org/content/147/2/255.full.pdf+html
Implication of the Endocannabinoid System in the Locomotor Hyperactivity Associated with Congenital Hypothyroidism  (full – 2008)
http://endo.endojournals.org/content/149/5/2657.abstract?sid=f5b14012-9fbe-4f10-890c-386313060cf8

Acute effects of endocannabinoid anandamide and CB1 receptor antagonist, AM251 in the regulation of thyrotropin secretion.  (full – 2008)
http://joe.endocrinology-journals.org/content/199/2/235.long


**TIC DOULOUREUX**

Tic Douloureux – Cannabis  (news – undated)
http://medicalmarijuana.com/medical-uses/condition.cfm?conID=56

Anandamide Is Able to Inhibit Trigeminal Neurons Using an in Vivo Model of Trigeminovascular-Mediated Nociception  (full - 2004)
http://jpet.aspetjournals.org/content/309/1/56.full

Therapeutic potential of cannabinoids in trigeminal neuralgia.  (abst – 2004)


Medical Marijuana and Tic Douloureux  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/139?ailment=tic-douloureux

**TIME PERCEPTION** *

Cannabinoid Modulation of Time Estimation in the Rat.  (link to PDF– 2001)

Marijuana Alters the Human Cerebellar Clock.  (abst – 2003)

Effects of marijuana on temporal discriminations in humans.  (abst – 2006)
Regulation of the Hypothalamic-Pituitary-Adrenal Axis Circadian Rhythm by Endocannabinoids Is Sexually Diergic (full – 2010)
http://endo.endojournals.org/content/151/8/3720.full?sid=f9729cff-d221-42d4-81d8-8545db5df878

The Effect of Cannabis on Perception of Time. (abst – 2012)


Tinnitus - also see Hearing


Tobacco vs Cannabis *

Tokepure (news – undated) http://ukcia.org/activism/tokepure.php

So, you thought it was the tar that caused cancer... (news - undated) http://www.ukcia.org/research/cancer2.php

Variation in youthful risks of progression from alcohol and tobacco to marijuana and to hard drugs across generations. (full – 2001)
Behavioural and biochemical evidence for interactions between Δ9-tetrahydrocannabinol and nicotine  
Tobacco and Cannabis Smoking Cessation Can Lead to Intoxication with Clozapine or Olanzapine.  
Comparing cannabis with tobacco—again Link between cannabis and mortality is still not established 
‘You can’t go without a fag . . . you need it for your hash’—a qualitative exploration of smoking, cannabis and young people 
Delta9-tetrahydrocannabinol decreases somatic and motivational manifestations of nicotine withdrawal in mice. 
Cannabis and tobacco smoke are not equally carcinogenic 
Cigars-for-blunts: choice of tobacco products by blunt smokers. 
Smoking Marijuana Does Not Cause Lung Cancer 
Cancer Risk from Tobacco Greater than Marijuana Smoking, Researcher Says 
Cannabis Smoke Is Less Likely To Cause Cancer Than Tobacco Smoke 
DISTINGUISHING BLUNTS USERS FROM JOINTS USERS: A COMPARISON OF MARIJUANA USE SUBCULTURES 
Aluminum in Tobacco and Cannabis and Smoking-Related Disease 
Explicit and Implicit Effects of Anti-marijuana and Anti-tobacco Tv Advertisements.
Marijuana-like Chemical Can Restore Sperm Function Lost to Tobacco Abuse  

Some go without a cigarette: characteristics of cannabis users who have never smoked tobacco.  (full - 2007)  [http://archpedi.ama-assn.org/cgi/content/full/161/11/1042](http://archpedi.ama-assn.org/cgi/content/full/161/11/1042)

Chronologically overlapping occurrences of nicotine-induced anxiety- and depression-related behavioral symptoms: effects of anxiolytic and cannabinoid drugs  (full - 2007)  [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2075518/?tool=pubmed](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2075518/?tool=pubmed)

A Comparison of Mainstream and Sidestream Marijuana and Tobacco Cigarette Smoke Produced under Two Machine Smoking Conditions  (full - 2007)  [http://www.ukcia.org/research/ComparisonOfSmoke.pdf](http://www.ukcia.org/research/ComparisonOfSmoke.pdf)


Are Cigarettes More of a Drag on Teens than Marijuana?  (news - 2007)  [http://www.scientificamerican.com/article.cfm?id=are-cigarettes-more-of-a](http://www.scientificamerican.com/article.cfm?id=are-cigarettes-more-of-a)

Cannabinoid Receptor 1 Gene Association With Nicotine Dependence  (full - 2008)  [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2733535/](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2733535/)

Nicotine (NC)-induced "depressive" behavioral symptoms and effects of antidepressants including cannabinoids (CBs).  (full – 2008)  [https://www.jstage.jst.go.jp/article/jts/33/5/33_5_555/_pdf](https://www.jstage.jst.go.jp/article/jts/33/5/33_5_555/_pdf)

Hypothesizing that marijuana smokers are at a significantly lower risk of carcinogenicity relative to tobacco-non-marijuana smokers: evidenced based on statistical reevaluation of current literature.  (full - 2008)  [http://www.thefreelibrary.com/Hypothesizing+that+marijuana+smokers+are+at+a+significantly+lower...-a0196052086](http://www.thefreelibrary.com/Hypothesizing+that+marijuana+smokers+are+at+a+significantly+lower...-a0196052086)

Inhibition of anandamide hydrolysis by URB597 reverses abuse-related behavior and neurochemical effects of nicotine in rats  (abst – 2008)  [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2663803/?tool=pubmed](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2663803/?tool=pubmed)


Characteristics of Adolescents Who Use Cannabis But Not Tobacco  (news - 2008)

Smokers of Cigarettes and Marijuana Fare Worse  (news – 2008)

Maternal tobacco, cannabis and alcohol use during pregnancy and risk of adolescent psychotic symptoms in offspring  (full – 2009)
http://bjp.rcpsych.org/content/195/4/294.full

Cannabis and tobacco use: where are the boundaries? A qualitative study on cannabis consumption modes among adolescents.  (full - 2009)
http://her.oxfordjournals.org/content/25/1/74.long

Effects of the cannabinoid CB1 receptor antagonist AM 251 on the reinstatement of nicotine-conditioned place preference by drug priming in rats.  (full - 2009)

Comparison of subjective, pharmacokinetic, and physiological effects of marijuana smoked as joints and blunts.  (full - 2009)


A comparison of drug use and dependence between blunt smokers and other cannabis users  (abst - 2009)
http://www.unboundmedicine.com/medline/ebm/record/19219299/abstract/A_comparison_of_drug_use_and_dependence_between_blunt_smokers_and_other_cannabis_users_

Medical Marijuana and Tobacco Dependence  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/67?ailment=tobacco-dependence

Cannabis, Tobacco and Alcohol Use in Canada  (news – 2009)

Uni-Morbid and Co-Occurring Marijuana and Tobacco Use: Examination of Concurrent Associations with Negative Mood States  (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2861285/?tool=pubmed

Effects of cannabis on lung function: a population-based cohort study.  (full - 2010)
http://erj.ersjournals.com/content/35/1/42.long

Disposition of smoked cannabis with high Delta(9)-tetrahydrocannabinol content: A kinetic model.  (abst – 2010)
Randomized, controlled, double-blind trial of tamanabant for smoking cessation  
(abst – 2010)  

Endocannabinoid regulation of acute and protracted nicotine withdrawal: effect of FAAH inhibition.  
(full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3227620/?tool=pubmed

The anandamide transport inhibitor AM404 reduces the rewarding effects of nicotine and nicotine-induced dopamine elevations in the nucleus accumbens shell in rats  
(full – 2011)  

Patterns of use, sequence of onsets and correlates of tobacco and cannabis  
(abst – 2011)  

Adding Tobacco to Cannabis--Its Frequency and Likely Implications.  
(abst – 2011)  

Rural adolescent alcohol, tobacco, and illicit drug use: a comparison of students in Victoria, Australia, and Washington State, United States.  
(abst – 2011)  
http://marijuana.researchtoday.net/archive/8/10/4782.htm

Why doesn’t marijuana cause cancer?  
(news – 2011)  

Differences Between Smoking Cigarettes & Marijuana  
(news – 2011)  

Effects of a Selective Cannabinoid CB2 Agonist and Antagonist on Intravenous Nicotine Self Administration and Reinstatement of Nicotine Seeking.  
(full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3266883/?tool=pubmed

Prevalence and co-use of marijuana among young adult cigarette smokers: An anonymous online national survey  
(full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3507655/

Patterns of blunt use among rural young adult african-american men.  
(abst – 2012)  

Assessing Tobacco Dependence Among Cannabis Users Smoking Cigarettes.  
(abst – 2012)  

The Volitional Nature of Nicotine Exposure Alters Anandamide and Oleoylethanolamide Levels in the Ventral Tegmental Area.  
(abst – 2012)  

Nicotine-induced anxiety-like behavior in a rat model of the novelty-seeking phenotype is associated with long-lasting neuropeptidergic and neuroplastic adaptations in the amygdala: Effects of the cannabinoid receptor 1 antagonist AM251.  
(abst – 2012)
The changing demographic of blunt smokers across birth cohorts.  

Marijuana Smoke Not as Damaging as Tobacco, Says Study  

Working memory- and anxiety-related behavioral effects of repeated nicotine as a stressor: the role of cannabinoid receptors  
http://www.biomedcentral.com/content/pdf/1471-2202-14-20.pdf

Perception of tobacco, cannabis, and alcohol use of others is associated with one's own use  
http://www.ascpjournal.org/content/8/1/15

Prior Exposure to THC Increases the Addictive Effects of Nicotine in Rats.  

Nicotine-Induced Neuroprotection Against Ischemic Injury Involves Activation of Endocannabinoid System in Rats  

Working memory- and anxiety-related behavioral effects of repeated nicotine as a stressor: the role of cannabinoid receptors.  

AM404 attenuates reinstatement of nicotine seeking induced by nicotine-associated cues and nicotine priming but does not affect nicotine- and food-taking.  

Cigarette smoking and cannabis use are equally strongly associated with psychotic-like experiences: a cross-sectional study in 1929 young adults.  


To What Extent Does Adding Tobacco to Cannabis Expose Young Users to Nicotine?  

Is serving in the armed forces associated with tobacco or cannabis initiation? A study of onset sequences before and after joining the French armed forces.  

Cannabidiol reduces cigarette consumption in tobacco smokers: Preliminary findings.  

Health outcomes associated with long-term regular cannabis and tobacco smoking.


Use of micronutrients attenuates cannabis and nicotine abuse as evidenced from a reversal design: a case study (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23909004


Long-Term Cannabis Use Is Associated With Better Health Than Long-Term Tobacco use (news – 2013) http://hempedification.blogspot.com/2013_04_01_archive.html


TOLERANCE


Prolonged exposure to WIN55,212-2 causes downregulation of the CB1 receptor and the development of tolerance to its anticonvulsant effects in the hippocampal neuronal culture model of acquired epilepsy. (full – 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2757117/?tool=pubmed

Efficacy and tolerability of high-dose dronabinol maintenance in HIV-positive marijuana smokers: a controlled laboratory study. (abst – 2010)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=316

Chronic Δ⁹-tetrahydrocannabinol treatment in rhesus monkeys: differential tolerance and cross-tolerance among cannabinoids. (full – 2011)

Neurophysiological functioning of occasional and heavy cannabis users during THC intoxication. (full – 2011)

Tolerance to chronic delta-9-tetrahydrocannabinol (Δ⁹-THC) in rhesus macaques infected with simian immunodeficiency virus. (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3140653/

Role of GLT-1 transporter activation in prevention of cannabinoid tolerance by the beta-lactam antibiotic, ceftriaxone, in mice. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/21536061/abstract/Role_of_GLT_1_transporter_activation_in_prevention_of_cannabinoid_tolerance_by_the_beta_lactam_antibiotic_ceftriaxone_in_mice

The schizophrenia susceptibility gene neuregulin 1 modulates tolerance to the effects of cannabinoids. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/20701826/abstract/The_schizophrenia_susceptibility_gene_neuregulin_1_modulates_tolerance_to_the_effects_of_cannabinoids

Role of GLT-1 transporter activation in prevention of cannabinoid tolerance by the β-lactam antibiotic, ceftriaxone, in mice. (abst – 2012)


Tolerance and cross-tolerance among high-efficacy synthetic cannabinoids JWH-018 and JWH-073 and low-efficacy phytocannabinoid Δ⁹-THC (abst – 2013)
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1097.1?sid=eea722c0-971c-4d4a-e8b8c38c0e63c19ad
TOURETTE'S SYNDROME *

Science/Germany: Clinical study on THC in TOURETTE's syndrome (news – 2000)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=70&search_pattern=tourette#1

Combined Treatment of Tourette Syndrome with Delta-9-THC and Dopamine Receptor Antagonists (full – 2002)

Treatment of Tourette's syndrome with Delta 9-tetrahydrocannabinol (THC): a randomized crossover trial. (abst - 2002)

Science: THC effective in TOURETTE-Syndrome (news - 2002)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=114&search_pattern=tourette#1

http://www.nature.com/npp/journal/v28/n2/abs/1300047a.html

Delta 9-tetrahydrocannabinol (THC) is effective in the treatment of tics in Tourette syndrome: a 6-week randomized trial. (abst - 2003)

Cannabinoids reduce symptoms of Tourette's syndrome. (abst - 2003)

Science: THC effective in TOURETTE syndrome in a 6-week trial (news - 2003)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=146&search_pattern=tourette#1

Tourette syndrome is not caused by mutations in the central cannabinoid receptor (CNR1) gene. (abst - 2004)

[123I]AM281 single-photon emission computed tomography imaging of central cannabinoid CB1 receptors before and after Delta9-tetrahydrocannabinol therapy and whole-body scanning for assessment of radiation dose in tourette patients. (abst – 2004)

Treatment of Tourette-syndrome with cannabinoids: results from clinical and neuroimaging studies (abst – 2005)

Cannabinoids In Medicine: A Review Of Their Therapeutic Potential (full – 2006)
TRICHOTILLOMANIA - compulsive hair pulling – also see OBSESSIVE-COMPULSIVE DISORDER

Medical Marijuana and Trichotillomania (news – 2009)
http://www.wakingtimes.com/2013/05/01/still-believe-nature-got-it-wrong-top-10-health-benefits-of-marijuana/
Dronabinol, a cannabinoid agonist, reduces hair pulling in trichotillomania: a pilot study. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/21590520/abstract/Dronabinol_a_cannabinoid_agonist_reduces_hair_pulling_in_trichotillomania_a_pilot_study

Science: THC effective in trichotillomania symptoms in a pilot study (news – 2011)

**TUBERCULOSIS** *

A cluster of tuberculosis associated with use of a marijuana water pipe. (abst - 2003)

Tuberculosis Outbreak in Marijuana Users, Seattle, Washington, 2004 (full - 2004)
http://wwwnc.cdc.gov/eid/article/12/7/pdfs/05-1436.pdf

Pot is good for you? Marijuana fights the superbugs (forum post/news - 2008)

**TUBEROUS SCLEROSIS** - a genetic disease causing non-malignant tumors in the brain and other organs, and retardation - also see AUTISM

Parents treat self-harming child with medical marijuana (news / anecdotal - 2013)

**ULCERATIVE COLITIS** - see COLITIS and BOWEL DISORDERS

**ULCERS** –see GASTRIC ULCERS

**VAPORIZERS** - see METHODS OF USE- VAPORIZERS
VETERINARY USE/ ANIMALS *

Differences in the pharmacological properties of rat and chicken brain fatty acid amidohydrolase.  (full – 2000)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1572338/


The endocannabinoid 2-arachidonoyl-glycerol controls odor sensitivity in larvae of Xenopus laevis.  (full – 2010)  http://www.jneurosci.org/content/30/26/8965.long


Cannabinoid exposure during zebra finch sensorimotor vocal learning persistently alters expression of endocannabinoid signaling elements and acute agonist responsiveness (full – 2011) http://www.biomedcentral.com/1471-2202/12/3

The role of central CB2 cannabinoid receptors on food intake in neonatal chicks (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21927979

Cannabidiol decreases body weight gain in rats: Involvement of CB2 receptors. (abst - 2011) http://marijuana.researchtoday.net/archive/8/1/3517.htm


Drugs plot raid reveals old woman feeding rabbits with cannabis (news – 2011) http://m.thelocal.de/national/20110625-35889.html


The Relationship between Plants Used to Sustain Finches (Fringillidae) and Uses for Human Medicine in Southeast Spain. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3350861/?tool=pubmed


Toxicities from Illicit and Abused Drugs (dogs) (article – 2012) http://www.merckmanuals.com/vet/toxicology/toxicities_from_human_drugs/toxicities_from_illicit_and_abused_drugs.html

Effect of feeding hemp seed and hemp seed oil on laying hen performance and egg yolk fatty acid content: Evidence of their safety and efficacy for laying hen diets.


Alterations of endocannabinoids in cerebrospinal fluid of dogs with epileptic seizure disorder. (full – 2013)  http://www.biomedcentral.com/content/pdf/1746-6148-9-262.pdf


Involvement of nitric oxide through endocannabinoids release in microglia activation during the course of CNS regeneration in the medicinal leech. (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/2355252


London Zoo: No runner’s high for ferrets  (news – 2013)

Do Dogs Get Runner's High?  (news – 2013)

Legalization of marijuana presents a potential problem for police departments using drug dogs  (news – 2013)

Medical Marijuana for Dogs? Vet Says it Could Help Some Pets Cope with Pain and Serious Illness  (news – 2013)

Marijuana waste helps turn pot-eating pigs into tasty pork roast  (news – 2013)
http://www.reuters.com/article/2013/05/20/us-usa-marijuana-pigs-idUSBRE94J0PL20130520

VISION *- also see GLAUCOMA, RETINITIS PIGMENTOSA

Different effects of nabilone and cannabidiol on binocular depth inversion in Man.  (abst – 2000)

Neuroprotective Effect of(−)Δ9-Tetrahydrocannabinol and Cannabidiol in N-Methyl-d-Aspartate-Induced Retinal Neurotoxicity - Involvement of Peroxynitrite  (full - 2003)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1892413/?tool=pmcentrez

Dexanabinol (HU-211) has a beneficial effect on axonal sprouting and survival after rat optic nerve crush injury.  (abst – 2003)

Cannabis improves night vision: a case study of dark adaptometry and scotopic sensitivity in kif smokers of the Rif mountains of northern Morocco.  (abst – 2004)

Cannabidiol Preserves Retinal Neurons and Reduces Vascular Permeability in Experimental Diabetes  (abst - 2004)
http://abstracts iovs.org/cgi/content/abstract/45/5/860?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1760&resourcetype=HWCIT

When spliff gets in your eyes...  (news – 2004)
http://www.guardian.co.uk/science/2004/jul/07/sciencenews.research

Marijuana Cured My Color-Blindness  (anecdotal – 2005)  http://nmj.tribe.net/thread/ae2e9a56-f117-4e96-b24d-ae799e956b00

Neuroprotective and Blood-Retinal Barrier-Preserving Effects of Cannabidiol in Experimental Diabetes  (full - 2006)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1592672/?tool=pubmed

R(+)‐methanandamide and other cannabinoids induce the expression of cyclooxygenase-2 and matrix metalloproteinases in human nonpigmented ciliary epithelial cells.  (full – 2006)  http://jpet.aspetjournals.org/content/316/3/1219.long


Endocannabinoids in the retina: From marijuana to neuroprotection.  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2584875/?tool=pmcentrez


Topical WIN55212-2 alleviates intraocular hypertension in rats through a CB1 receptor mediated mechanism of action.  (full – 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2637200/?tool=pubmed

Mediation of Cannabidiol anti-inflammation in the Retina by Equilibrative Nucleoside Transporter and A2A Adenosine Receptor  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2588644/?tool=pmcentrez


The role of endocannabinoid system in physiological and pathological processes in the eye  (abst - 2008) 
http://www.unboundmedicine.com/medline/ebm/record/19195174/abstract/%5BThe_role_of_endocanabinoid_system_in_physiological_and_pathological_processes_in_the_eye%5D

Cannabidiol As a Putative Novel Therapy for Diabetic Retinopathy: A Postulated Mechanism of Action as an Entry Point for Biomarker-Guided Clinical Development. (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2955420/?tool=pubmed

Presence and regulation of cannabinoid receptors in human retinal pigment epithelial cells.  (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697670/?tool=pubmed

Cannabidiol protects retinal neurons by preserving glutamine synthetase activity in diabetes.  (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2925907/?tool=pubmed

Diabetic retinopathy: Role of inflammation and potential therapies for anti-inflammation.  (full– 2010)  

Cannabinoid (JWH-133) therapy could be effective for treatment of corneal neovascularization  (full – 2010)  

Epidermal growth factor receptor transactivation by the cannabinoid receptor (CB1) and transient receptor potential vanilloid 1 (TRPV1) induces differential responses in corneal epithelial cells.  (abst – 2010)  

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3096803/

Mutations in ABHD12 cause the neurodegenerative disease PHARC: An inborn error of endocannabinoid metabolism.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2933347/?tool=pubmed

Indirect Sympatholytic Actions at β-Adrenoceptors Account for the Ocular Hypotensive Actions of Cannabinoid Receptor Agonists  (full – 2011)  
http://ipet.aspetjournals.org/content/339/3/757.full.pdf+html

2-Arachidonoylglycerol (2-AG) Induces Corneal Epithelial Cell Migration via Cannabinoid CB1 Receptors  (abst – 2011)  
http://abstracts iovs.org/cgi/content/abstract/52/6/1995?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCIT

Endocannabinoid CB1 receptors modulate visual output from the thalamus.  (abst – 2011)  
Enhanced solubility, stability, and transcorneal permeability of delta-8-tetrahydrocannabinol in the presence of cyclodextrins. 
(abst – 2011)  

Nonpsychotropic Cannabinoids, Abnormal Cannabidiol and Canabigerol-Dimethyl Heptyl, Act at Novel Cannabinoid Receptors to Reduce Intraocular Pressure. 
(abst – 2011)  

Palmitoylethanolamide effects on intraocular pressure after Nd:YAG laser iridotomy: an experimental clinical study.  
(abst – 2011)  

GPR158/179 regulate G protein signaling by controlling localization and activity of the RGS7 complexes.  
(full – 2012)  
http://jcb.rupress.org/content/197/6/711.long

Expression and localization of the cannabinoid receptor type 1 and the enzyme fatty acid amide hydrolase in the retina of vervet monkeys.  
(abst – 2012)  

Effects of Palmitoylethanolamide on Aqueous Humor Outflow.  
(abst – 2012)  

Effect of ion pairing on in vitro transcorneal permeability of a Δ(9)-tetrahydrocannabinol prodrug: potential in glaucoma therapy.  
(abst – 2012)  

Endocannabinoids alleviate proinflammatory conditions by modulating innate immune response in muller glia during inflammation.  
(abst – 2012)  

Cannabinoid receptor 1 suppresses transient receptor potential vanilloid 1-induced inflammatory responses to corneal injury.  
(abst – 2012)  

Involvement of a non-CB1/CB2 cannabinoid receptor in the aqueous humor outflow-enhancing effects of abnormal-cannabidiol.  
(abst – 2012)  

Developmental and Visual Input-Dependent Regulation of the CB1 Cannabinoid Receptor in the Mouse Visual Cortex.  
(full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3540079/

The Major Brain Endocannabinoid 2-AG Controls Neuropathic Pain and Mechanical Hyperalgesia in Patients with Neuromyelitis Optica.  
(full – 2013)
Activation of cannabinoid CB1 receptors modulates evoked action potentials in rat retinal ganglion cells. (full – 2013)  

Rod Photoreceptors Express GPR55 in the Adult Vervet Monkey Retina. (full - 2013)  
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0081080

Signaling cross-talk between cannabinoid and muscarinic systems actives Rho-kinase and increases the contractile responses of the bovine ciliary muscle (abst – 2013)  

Neuroprotective effects of topical CB1 agonist WIN 55212-2 on Retinal ganglion cells after acute rise in intraocular pressure induced ischemia in rat. (abst – 2013)  

A GPR18-based signaling system regulates IOP in murine eye. (abst – 2013)  

The fatty acid amide hydrolase inhibitor, URB597, promotes retinal ganglion cell neuroprotection in a rat model of optic nerve axotomy. (abst – 2013)  

Effect of Cannabinoids and MethoxyPolyethylene Glycols on Aqueous Humor Outflow and Vascular Tone (abst – 2013)  
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/lb541?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad

Müller cells express the cannabinoid CB2 receptor in the vervet monkey retina.  
(abst – 2013)  

Roles of cannabinoid receptors type 1 and 2 on the retinal function of adult mice. (abst – 2013)  

Anti-inflammatory effects of Cannabinoid 2 Receptor activation in endotoxin-induced uveitis. (abst – 2013)  

Endocannabinoids affect innate immunity of Muller glia during HIV-1 Tat cytotoxicity. (abst – 2014)  

Neuroprotective effects of the cannabinoid agonist HU210 on retinal degeneration. (abst – 2014)  

WILSON'S DISEASE

WITHDRAWAL SYNDROME


Marijuana abstinence effects in marijuana smokers maintained in their home environment. (full – 2001) [http://archpsyc.ama-assn.org/cgi/content/full/58/10/917]


A Within-Subject Comparison of Withdrawal Symptoms During Abstinence From Cannabis, Tobacco, and Both Substances (full - 2008) [http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2214670&tool=pmcentrez]

Cannabis withdrawal in the United States: results from NESARC. (full - 2008) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2777674/?tool=pubmed]


The FAAH inhibitor URB-597 ameliorates cannabinoid withdrawal in mice (abst - 2008)
Pot, Tobacco Withdrawal Equally Rough (news - 2008)

Withdrawal Phenomena and Dependence Syndrome After the Consumption of "Spice Gold" (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2719097/?tool=pmcentrez

Actions of delta-9-tetrahydrocannabinol in cannabis (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2731700/?tool=pmcentrez

Cannabis withdrawal severity and short-term course among cannabis-dependent adolescent and young adult inpatients (abst - 2009)

Tips for Cutting Back (news – 2009)
http://www.heretohelp.bc.ca/visions/cannabis-vol6/tips-for-cutting-back

Information for Health Care Professionals- Marihuana (marijuana, cannabis) dried plant for administration by ingestion or other means (Health Canada) (full – 2010)

Rimonabant-induced Delta9-tetrahydrocannabinol withdrawal in rhesus monkeys: discriminative stimulus effects and other withdrawal signs. (full – 2010)

Anxiety-like effects of SR141716-precipitated delta9-tetrahydrocannabinol withdrawal in mice in the elevated plus-maze. (abst – 2010)
http://www.unboundmedicine.com/medline/ebm/record/20363293/abstract/Anxiety_like_effects_of_SR141716_precipitated_delta9_tetrahydrocannabinol_withdrawal_in_mice_in_the_elevated_plus_maze

The fatty acid amide hydrolase inhibitor URB 597: interactions with anandamide in rhesus monkeys. (full – 2011)

Antagonist-elicited cannabis withdrawal in humans. (abst – 2011)

A proof-of-concept randomized controlled study of gabapentin: effects on cannabis use, withdrawal and executive function deficits in cannabis-dependent adults. (abst – 2012)


Electroacupuncture inhibits CB1 upregulation induced by ethanol withdrawal in mice. (abst – 2012)  

Anticonvulsant Drug Helps Marijuana Smokers Kick the Habit  (news – 2012)  
http://www.sciencedaily.com/releases/2012/04/120424095651.htm

Suspected Dronabinol Withdrawal in an Elderly Cannabis-Naive Medically Ill Patient (letter – 2013)  

Nabilone decreases marijuana withdrawal and a laboratory measure of marijuana relapse. (abst – 2013)  


Palmitoylethanolamide: From endogenous cannabimimetic substance to innovative medicine for the treatment of cannabis dependence. (abst – 2013)  

The Synthetic Cannabinoid Withdrawal Syndrome. (abst – 2013)  

Plasma Cannabinoid Concentrations During Dronabinol Pharmacotherapy for Cannabis Dependence. (abst – 2013)  

Cannabis withdrawal syndrome: An important diagnostic consideration in adolescents presenting with disordered eating. (abst – 2013)  

Cannabis withdrawal in chronic, frequent cannabis smokers during sustained abstinence within a closed residential environment (abst – 2013)  

4 Myths About Marijuana Addiction  (news – 2013)  
http://www.leafscience.com/2013/11/28/4-myths-marijuana-addiction/

'Legal high' users turn to real thing  (news – 2013)  

Baclofen in the management of cannabis dependence syndrome. (full – 2014)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3896138/

Nabiximols as an Agonist Replacement Therapy During Cannabis Withdrawal: A Randomized Clinical Trial. (abst – 2014)  


Evidence for a Role of Endocannabinoids, Astrocytes and p38 Phosphorylation in the Resolution of Postoperative Pain (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2878341/?tool=pmcentrez


Epidermal growth factor receptor transactivation by the cannabinoid receptor (CB1) and transient receptor potential vanilloid 1 (TRPV1) induces differential responses in corneal epithelial cells. (abst – 2010) http://www.ncbi.nlm.nih.gov/pubmed/20619260


Compound boosts marijuana-like chemical in the body to relieve pain at injury site (news - 2010) http://www.eurekalert.org/pub_releases/2010-09/uoc-cbm092010.php

Study: Smoking pot may ease chronic pain (news - 2010)
2-Arachidonoylglycerol (2-AG) Induces Corneal Epithelial Cell Migration via Cannabinoid CB1 Receptors (abst – 2011)
http://abstracts.iovs.org/cgi/content/abstract/52/6/1995?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCIT


Involvement of nitric oxide through endocannabinoids release in microglia activation during the course of CNS regeneration in the medicinal leech. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23355252

YOUNG ADULTS - see CHILDREN/ YOUNG ADULTS