Granny Storm Crow's MMJ Reference List - January 2012

Well, here I am again, staring at this blank screen, trying to figure out what to say so you will share the information I have gathered. “Once the medical facts about cannabis become known, the need for legalization becomes obvious!” How many times have I said that? I need YOU to educate those around you. I can’t do it alone!

At times, it seems so futile- this never-ending battle against ignorance about cannabis. But I can’t give up - this simple herb has some amazing uses and people need to know what it can do.

Cannabis should be treated like any other medicinal herb, because that’s what it is, just an herbal medicine with a rather pleasant side effect- you feel “high”. Unlike common aspirin, cannabis never kills by overdose. Compared to some pharmaceutical drugs’ side effects, the “cotton-mouth”, “red eye”, “munchies” and “feeling a just bit too good” from using cannabis seems so trivial!

As Americans, we should be free to exercise our right to choose the type of medicines that we take. Anyone exhibiting the first signs of Alzheimer’s should be able to choose between Aricept, Marinol, or natural cannabis to slow the deposit of mind-clogging amyloid plaque.

“When tested at double the concentration of THC, Aricept blocked plaque formation only 22% as well as THC, and Cognex blocked plaque formation only 7% as well as THC.” (Marijuana May Slow Alzheimer's - WebMD, 2006)

Marinol is just a capsule of a pure synthetic THC dissolved in sesame oil. It will work, but some people find that it causes anxiety because it lacks CBD (cannabidiol) to balance the THC high.

Natural cannabis has CBD and other cannabinoids in it, which act in a different way to slow the progress of Alzheimer’s. (“Cannabidiol and other cannabinoids reduce microglial activation in vitro and in vivo: relevance to Alzheimer’s disease” - Molecular Pharmacology, 2011) I know which I would logically choose, but in 2/3s of the US, and everywhere by federal law, that choice is forbidden to us. Our government has banned our best choice!

Then there are thousands facing the severe nausea of chemotherapy- will they be able to keep an anti-nausea pill down long enough for it to work? Wouldn’t it be simpler to inhale some cannabis vapor, or smoke, and get almost instantaneous relief? In 16 states, you can!

And the pain from cancer? “Medical Marijuana a Success in Israel” – “More than two-thirds of cancer patients who were prescribed medical marijuana to combat pain are reportedly satisfied with the treatment” Are we less free than the Israelis? They are free to get legal, prescribed cannabis for cancer pain- are you? Our neighbor, Canada, has legal medical cannabis, and their government grows cannabis for patients! And surprise! The US has 4 federally legal MMJ patients and grows for them. The program is closed. No new patients allowed! Why? And why is cannabis research, all but banned in the US? This prohibitionist foolishness has to end!

2012 is supposed to be a time of change, an “interesting” year. It is time for us to demand a change in the laws on cannabis! We must keep telling the truth, keep presenting the facts to our friends and our families. The facts are there in PubMed- cannabis IS medicine! Our government lies to us about cannabis! And folks- “If the truth won’t do, then something is wrong!”

ACEA/ARACHIDONYL-2'-CHLOROETHYLAMIDE - synthetic, CB1 agonist

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


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


Attenuation of Experimental Autoimmune Hepatitis by Exogenous and Endogenous Cannabinoids: Involvement of Regulatory T Cells (full - 2008) http://molpharm.aspetjournals.org/content/74/1/20.full?maxtoshow=&hi=70&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT#content-block

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

Endogenous cannabinoids induce fever through the activation of CB1 receptors. (full – 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2765314/?tool=pubmed
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)  

Involvement of nitrergic system in the anticonvulsant effect of the cannabinoid CB(1) agonist ACEA in the pentylenetetrazole-induced seizure in mice. (abst – 2009)  

Involvement of nitric oxide in the gastroprotective effect of ACEA, a selective cannabinoid CB1 receptor agonist, on aspirin-induced gastric ulceration. (abst – 2009)  

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)  

Role of cannabinoid CB1 receptors on macronutrient selection and satiety in rats. (abst – 2009)  

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

Alkamides and a neolignan from Echinacea purpurea roots and the interaction of alkamides with G-protein-coupled cannabinoid receptors. (abst – 2011)  

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)  

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

Contrasting protective effects of cannabinoids against oxidative stress and amyloid-β evoked neurotoxicity in vitro. (abst – 2012)  
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


ADD/ ADHD

ADHD by Ryan P (anecdotal - no date) http://www.rxmarijuana.com/shared_comments/ADHD4.htm

Marijuana and ADD Therapeutic uses of Medical Marijuana in the treatment of ADD (no date) http://www.onlinepot.org/medical/add&mmj.htm


How Cannabis Compares to other treatments (no date - 2008) http://dcsafeaccess.org/medical/how-cannabis-compares-to-other-treatments/


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_on_because_of_THC%5D

Science: THC normalized impaired psychomotor performance and mood in a patient with hyperactivity disorder  (news - 2007)  

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)  
http://www.entheology.org/edoto/annviewer.asp?a=319

Cannabinoid receptors in brain: pharmacogenetics, neuropharmacology, neurotoxicology, and potential therapeutic applications  (abst – 2009)  
http://pharmgkb.org/pmid/19897083

Why I Give My 9-year-old Pot  (anecdotal/news - 2009)  
http://www.doublex.com/section/health-science/why-i-give-my-9-year-old-pot

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/

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
ADDICTION

An Abstinence Syndrome Following Chronic Administration of Delta-9-
tetrahydrocannabinol in Rhesus Monkeys. (abst – 1980)

Abuse potential of dronabinol (Marinol). (abst – 1998)

Relative Addictiveness of Various Substances (full - 1990)
http://www.ukcia.org/research/addictiv.htm

Genetic differences in delta 9-tetrahydrocannabinol-induced facilitation of brain
stimulation reward as measured by a rate-frequency curve-shift electrical brain
stimulation paradigm in three different rat strains. (abst – 1996)

Anandamide, an Endogenous Cannabinoid, Has a Very Low Physical Dependence
Potential (full - 1998)
http://jpet.aspetjournals.org/content/287/2/598.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=
cannabinoid&searchid=1&FIRSTINDEX=480&resource=HWCIT

Delta9-tetrahydrocannabinol releases and facilitates the effects of endogenous
enkephalins: reduction in morphine withdrawal syndrome without change in rewarding

Chronic Morphine Modulates the Contents of the Endocannabinoid, 2-Arachidonoyl
Glycerol, in Rat Brain (full - 2003)
http://www.nature.com/npp/journal/v28/n6/full/1300117a.html

Does Cannabis Use Predict Poor Outcome for Heroin-dependent Patients on Maintenance
http://medical-journals.healia.com/doc/12603227/Does-cannabis-use-predict-poor-outcome-for-heroin-
dependent-patients-on-maintenance-treatment-Past-findings-and-more-evidence-against

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)

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/

Confirming alcohol-moderated links between cannabis use and dependence in a national

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


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


Teen Pot Smoking Won't Lead to Other Drugs as Adults (news - 2010) http://www.webmd.com/parenting/news/20100902/teen-pot-smoking-wont-lead-to-other-drugs-as-adults

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. (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21310551/abstract/Dronabinol_for_the_treatment_of_cannabis_dependence:_a_randomized_double_blind_placebo_controlled_trial

The genetic basis of the endocannabinoid system and drug addiction in humans (abst – 2011)  
http://jop.sagepub.com/content/early/2011/09/20/0269881111416689

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

Medical marijuana laws in 50 states: Investigating the relationship between state legalization of medical marijuana and marijuana use, abuse and dependence. (abst – 2012)  

2-AG / 2-ARACHIDONYLGLYCEROL - endocannabinoid, CB1 & CB 2 agonist

2-Arachidonoylglycerol: A Possible Endogenous Cannabinoid Receptor Ligand in Brain (abst – 1995)  


Brain Chemicals Mimic Marijuana  (news - 1997)  
http://www.ukcia.org/research/anandami.php

2-Arachidonoyl-glycerol as an "endocannabinoid": limelight for a formerly neglected metabolite. (abst - 1998)  

Evidence That the Cannabinoid CB1 Receptor Is a 2-Arachidonoylglycerol Receptor (full – 1999)  
http://www.jbc.org/content/274/5/2794.long

Endocannabinoids control spasticity in a multiple sclerosis model  (full - 2000)  
http://www.fasebj.org/cgi/reprint/00-0399fjev1?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andexactfulltext=and&searchid=1&FIRSTINDEX=10&sortspec=relevance&resourcetype=HWCIT

Endocannabinoid 2-arachidonyl glycerol is a full agonist through human type 2 cannabinoid receptor: antagonism by anandamide. (full – 2000)  
http://molpharm.aspetjournals.org/content/57/5/1045.long
Endocannabinoids and Vascular Function  (full - 2000)  
http://jpet.aspetjournals.org/content/294/1/27.long

Cardiovascular effects of endocannabinoids--the plot thickens.  (abst - 2000)  

Despite substantial degradation, 2-arachidonoylglycerol is a potent full efficacy agonist mediating CB(1) receptor-dependent G-protein activation in rat cerebellar membranes.  (full – 2001)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1572991/?tool=pubmed

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

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

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

2-Arachidonyl glyceryl ether, an endogenous agonist of the cannabinoid CB1 receptor  (full - 2001)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC31108/

An endogenous cannabinoid (2-AG) is neuroprotective after brain injury.  (abst - 2001)  

Sourcing the Code: Searching for the Evolutionary Origins of Cannabinoid Receptors, Vanilloid Receptors, and Anandamide  (full – 2002)  

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=cannabinoid&andorexactfulltext=and&searchid=1&FIRSTINDEX=10&sortspec=relevance&resourcetype=HWCIT

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

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


Endocannabinoids protect the rat isolated heart against ischaemia (full - 2003) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573907/?tool=pmcentrez


The Endogenous Cannabinoid System Regulates Seizure Frequency and Duration in a Model of Temporal Lobe Epilepsy (full - 2003) http://jpet.aspetjournals.org/content/307/1/129.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&resourcetype=HWCIT

Manipulation of the endocannabinoid system by a general anaesthetic. (full – 2003) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573927/?tool=pubmed


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=951f5f9d238bdf059ef30ee2be3a5a31aatf2b094

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/

Analgesia through endogenous cannabinoids  (full - 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

CB1 cannabinoid receptor-mediated modulation of food intake in mice  (full - 2005)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1576140/?tool=pmcentrez

Effects of cannabinoids on colonic muscle contractility and tension in guinea pigs.  (full – 2005)  
http://www.jstage.jst.go.jp/article/jnms/72/1/72_43/_article

The endocannabinoid 2-AG protects the blood-brain barrier after closed head injury and inhibits mRNA expression of proinflammatory cytokines.  (abst - 2005)  
http://lib.bioinfo.pl/pmid:16364651


Body's Own Marijuana-Like Compounds Are Crucial For Stress-Induced Pain Relief  (news - 2005)  
http://www.sciencedaily.com/releases/2005/06/050628064435.htm

Regulation, Function, and Dysregulation of Endocannabinoids in Models of Adipose and β-Pancreatic Cells and in Obesity and Hyperglycemia  (full - 2006)  
http://jcem.endojournals.org/cgi/content/full/91/8/3171?ijkey=83a68cef202eafe129332eda53eee8eb61349982

Endocannabinoids, feeding and suckling – from our perspective  (full – 2006)  
http://www.nature.com/jio/journal/v30/n1s/full/0803274a.html

Not Too Excited? Thank Your Endocannabinoids  (full - 2006)  

Experimental autoimmune encephalomyelitis disrupts endocannabinoid-mediated neuroprotection  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1458883/?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

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

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


The CB1 Cannabinoid Receptor Mediates Excitotoxicity-induced Neural Progenitor Proliferation and Neurogenesis (full - 2007)  http://www.jbc.org/content/282/33/23892.full

Endocannabinoids and the haematological system  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190025/?tool=pmcentrez

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=pmcentrez

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

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

Pharmacological enhancement of the endocannabinoid system in the nucleus accumbens shell stimulates food intake and increases c-Fos expression in the hypothalamus.  (full – 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2042935/?tool=pubmed

Cannabinoid-2 receptor mediates protection against hepatic ischemia/reperfusion injury  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2228252/?tool=pmcentrez

Identification of Endocannabinoids and Related Compounds in Human Fat Cells  (full - 2007)  http://www.nature.com/oby/journal/v15/n4/full/oby2007100a.html

Endocannabinoids block status epilepticus in cultured hippocampal neurons  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2617750/?tool=pmcentrez
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

2-AG + 2 new players = forecast for therapeutic advances.  (full – 2007)
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6VRP-4RFCCVN-4&_user=10&_coverDate=12%2F26%2F2007&_rdoc=1&_fmt=high&_orig=gateway&_sort=d&_docanchor=&view=c&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=9ee728635e8957f64f220c0e2e9f879a&searchtype=a

CB2 receptors in the brain: role in central immune function  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219530/?tool=pmcentrez

Opposing Actions of Endocannabinoids on Cholangiocarcinoma Growth  (full - 2007)
http://www.jbc.org/content/282/17/13098.full

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


The cannabinoid CB1 receptor regulates bone formation by modulating adrenergic signaling.  (full - 2008)  http://www.fasebj.org/cgi/content/full/22/1/285

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

Endocannabinoid 2-Arachidonoylglycerol Protects Neurons by Limiting COX-2 Elevation  (full – 2008)  http://www.jbc.org/content/283/33/22601.full

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

Cannabinoid receptors and the regulation of bone mass  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219540/?tool=pmcentrez
Pharmacological Inhibition of CB1 Cannabinoid Receptor Protects Against Doxorubicin-Induced Cardiotoxicity (full - 2008) http://content.onlinejacc.org/cgi/content/full/50/6/528


Endocannabinoids and the Control of Energy Homeostasis (full – 2008) http://www.ibc.org/content/283/48/33021.full?sid=931583b1-e797-43e0-8296-7fd75bb49403


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


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

Endocannabinoids and Their Receptors as Targets for Obesity Therapy (full - 2009) http://endo.endojournals.org/cgi/content/full/150/6/2531#top


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

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


Endogenous cannabinoid signaling is essential for stress adaptation  (full - 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2889099/?tool=pmcentrez

Endocannabinoid signalling: has it got rhythm?  (full – 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931554/?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

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


Anti-proliferative Effect of a Putative Endocannabinoid, 2-Arachidonylglyceryl Ether in Prostate Carcinoma Cells  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3039283/?tool=pmcentrez


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

Krill oil significantly decreases 2-arachidonoylglycerol plasma levels in obese subjects.  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3048484/?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


The Endogenous Cannabinoid 2-Arachidonoylglycerol Is Intravenously Self-Administered by Squirrel Monkeys  (abst – 2011)  http://www.unboundmedicine.com/medline/ebm/record/21562266/abstract/The_Endogenous_Cannabinoid_2_Arachidonoylglycerol_Is_Intravenously_Self_Administered_by_Squirrel_Monkeys

Increasing endogenous 2-arachidonoylglycerol levels counteracts colitis and related systemic inflammation.  (abst – 2011)  http://www.unboundmedicine.com/medline/ebm/record/21551239/abstract/Increasing_endogenous_2_arachidonoylglycerol_levels_counteracts_colitis_and_related_systemic_inflammation

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


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Protective effect of cannabinoid CB1 receptor activation against altered intrinsic repetitive firing properties induced by Aβ neurotoxicity.  (abst – 2012)  


Contrasting protective effects of cannabinoids against oxidative stress and amyloid-β evoked neurotoxicity in vitro.  (abst – 2012)  

**AM-251** – synthetic, GPR 55 agonist, CB1 antagonist/ inverse agonist

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

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

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

Vasodilator actions of abnormal-cannabidiol in rat isolated small mesenteric artery  
(full - 2003)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573773/?tool=pmcentrez

Effects of cannabinoid receptor-2 activation on accelerated gastrointestinal transit in lipopolysaccharide-treated rats (full - 2004) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1575196/?tool=pmcentrez

Up-Regulation of Cyclooxygenase-2 Expression Is Involved in R(−)-Methanandamide-Induced Apoptotic Death of Human Neuroglioma Cells (full - 2004) http://science.iowamedicalmarijuana.org/pdfs/cancer/Hinz%202004.pdf

The cannabinoid 1 receptor antagonist, AM251, prolongs the survival of rats with severe acute pancreatitis. (full - 2005) http://www.jstage.jst.go.jp/article/tjem/207/2/207_99/_article


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

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

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

Inhibition of Salivary Secretion by Activation of Cannabinoid Receptors (full - 2006) http://ebm.rsmjournals.com/cgi/content/full/231/8/1421?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=880&resourcetype=HWCIT


Cardiovascular effects of cannabinoids in conscious spontaneously hypertensive rats (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190006/?tool=pmcentrez


Cannabinoid action in the olfactory epithelium (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1815290/?tool=pmcentrez

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

Attenuation of Experimental Autoimmune Hepatitis by Exogenous and Endogenous Cannabinoids: Involvement of Regulatory T Cells (full - 2008) http://molpharm.aspetjournals.org/content/74/1/20.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT#content-block

Loss of cannabinoid receptor 1 accelerates intestinal tumor growth (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2561258/?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

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

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


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

Endocannabinoids in the rat basolateral amygdala enhance memory consolidation and enable glucocorticoid modulation of memory (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2660732/?tool=pmcentrez


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)  

Cannabinoids and neurodegenerative diseases. (abst - 2009)  

Effects of the cannabinoid CB1 receptor antagonist AM 251 on the reinstatement of nicotine-conditioned place preference by drug priming in rats. (full - 2009)  

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

Cannabinoids excite circadian clock neurons. (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2927117/?tool=pubmed

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=pubmed

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 Tonically Regulates Inhibitory Transmission and Depresses the Effect of Ethanol in Central Amygdala (abst - 2010)  
http://www.nature.com/npp/journal/v35/n9/abs/npp201070a.html

Anandamide and AM251, via water, modulate food intake at central and peripheral level in fish. (abst – 2010)  

Pharmacological characterization of GPR55, a putative cannabinoid receptor. (abst – 2010)  
http://www.unboundmedicine.com/medline/ebm/record/20298715/abstract/Pharmacological_characterization_of_GPR55_a_putative_cannabinoid_receptor

Cannabidiol (CBD) as an Anti-Arrhythmic – the Role of the CB1 Receptors (news – 2010)  

AM251, cannabinoids receptors ligand, improves recognition memory in rats. (full – 2011)  

Cannabinoids prevent the development of behavioral and endocrine alterations in a rat model of intense stress. (full – 2011)  
http://www.nature.com/npp/journal/v37/n2/full/npp2011204a.html
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

Cannabidiol as an anti-arrhythmic, the role of the CB1 receptors.  (abst – 2011)  http://www.unboundmedicine.com/medline/ebm/record/22116907/abstract/17_Cannabidiol_as_an_anti_arrhythmic_the_role_of_the_CB1_receptors


Endocannabinoid CB1 receptors modulate visual output from the thalamus.  (abst – 2011)  http://www.ncbi.nlm.nih.gov/pubmed/21773721


Opposing Roles for Cannabinoid Receptor Type 1 (CB1) 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


**AM-281** - synthetic, CB1 antagonist and inverse agonist


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=fc694f0-78cf-405c-981b-afaa05ee417c

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

**AM-404** – synthetic, CB1 agonist


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=pmcentre


**AM-630** – synthetic, CB2 antagonist


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

Inhibition of Salivary Secretion by Activation of Cannabinoid Receptors  (full - 2006)  http://ebm.rsmjournals.com/cgi/content/full/231/8/1421?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=880&resourcetype=HWCIT

Regulation of Bone Mass, Osteoclast Function, and Ovariectomy-Induced Bone Loss by the Type 2 Cannabinoid Receptor  (full - 2008)  http://endo.endojournals.org/cgi/content/full/149/11/5619?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=240&resourcetype=HWCIT

Attenuation of Experimental Autoimmune Hepatitis by Exogenous and Endogenous Cannabinoids: Involvement of Regulatory T Cells  (full - 2008)  http://molpharm.aspetjournals.org/content/74/1/20.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT#content-block

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


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

Cannabinoid receptor-2 (CB2) agonist ameliorates colitis in IL-10(−/−) mice by attenuating the activation of T cells and promoting their apoptosis.  (abst – 2011)  http://www.ncbi.nlm.nih.gov/pubmed/22119709
**AM-678** - see JWH-100

**AM-694** – synthetic, CB1 & CB2 agonist


**AM-1241** – synthetic, CB2 agonist

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](http://www.pnas.org/content/100/18/10529.full)


CB2 cannabinoid receptor activation produces antinociception by stimulating peripheral release of endogenous opioids  (full - 2005) [http://www.pnas.org/content/102/8/3093.full](http://www.pnas.org/content/102/8/3093.full)


In vitro pharmacological characterization of AM1241: a protean agonist at the cannabinoid CB2 receptor?  (full - 2006) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2013801/?tool=pubmed](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2013801/?tool=pubmed)


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](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2819701/?tool=pmcentrez)

Peripheral Cannabinoids Attenuate Carcinoma Induced Nociception in Mice (full - 2008) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2771220/](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2771220/)
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


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


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

AM-1346 - synthetic, CB1 agonist

Synthetic Cannabinoid May Aid Fertility In Smokers (news - 2006) http://www.medicalnewstoday.com/articles/58063.php

Cannabis-based boost for smokers’ suffering sperm  (news - 2006)

Scientist Discovers New Molecule to Treat Chronic Pain  (news - 2008)

**AM-1710** – synthetic, CB2 agonist

Pharmacological characterization of AM1710, a putative cannabinoid CB(2) agonist from the cannabialactone class: Antinociception without central nervous system side-effects.
(abst – 2011)
http://www.unboundmedicine.com/medline/ebm/recorde/21382397/abstract/Pharmacological_characterization_of_AM1710_a_putative_cannabinoid_CB_2__agonist_from_the_cannabialactone_class:_Antinociception_without_central_nervous_system_side_effects_

**AM-2233** – synthetic, CB1 agonist

F200A substitution in the third transmembrane helix of human cannabinoid CB1 receptor converts AM2233 from receptor agonist to inverse agonist.  (abst – 2006)

Evaluation of the in vivo receptor occupancy for the behavioral effects of cannabinoids using a radiolabeled cannabinoid receptor agonist, R-[125/131I]AM2233.

Another nail in coffin of synthetic cannabis  (news – 2011)

**AM-4054** - synthetic, CB1 agonist

Behavioral Profile of the Novel Cannabinoid Agonist AM4054  (thesis - 2006)
http://digitalcommons.uconn.edu/cgi/viewcontent.cgi?article=1016&context=srhonors_theses&sei-redir=1#search=%22am-4054%20%2Bcannabinoid%22
AM-4113 – synthetic, CB1 antagonist

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&RESULTFORMATT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=800&resourcetype=HWCT

The neutral cannabinoid CB₁ receptor antagonist AM4113 regulates body weight through changes in energy intake in the rat. (abst – 2011)

AM 6545 – synthetic, CB1 antagonist

Rehashing endocannabinoid antagonists: can we selectively target the periphery to safely treat obesity and type 2 diabetes? (full – 2010)

AMOTIVATIONAL SYNDROME

Marihuana Use and Psychosocial Adaptation (abst - 1974)
http://archpsyc.ama-assn.org/cgi/content/abstract/31/5/713?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=marihuana&searchid=1&FIRSTINDEX=0&resourcetype=HWCT


Operant acquisition of marihuana in man. (abst - 1976)
http://jpet.aspetjournals.org/content/198/1/42.abstract?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=marihuana&searchid=1&FIRSTINDEX=0&resourcetype=HWCT

Cannabis amotivational syndrome and personality trait absorption: A review and reconceptualization (full - 1994) [http://www.ukcia.org/research/PersonalityTraitAbsorption.php](http://www.ukcia.org/research/PersonalityTraitAbsorption.php)

Debunking the Amotivational Syndrome (news - 1995) [http://www.drugscience.org/Petition/C3F.html](http://www.drugscience.org/Petition/C3F.html)


Cannabis, motivation, and life satisfaction in an internet sample (full - 2006) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1435998/?tool=pmcentrez](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1435998/?tool=pmcentrez)

Debunking "Amotivational Syndrome" (news - 2006) [http://www.mapinc.org/drugnews/v06/n400/a06.html](http://www.mapinc.org/drugnews/v06/n400/a06.html)


**ANANDAMIDE / AEA** – endocannabinoid, CB 1 & 2 agonist


Cross-tolerance between delta-9-tetrahydrocannabinol and the cannabimimetic agents, CP 55,940, WIN 55,212-2 and anandamide. (full - 1993) [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2175863/?tool=pmcentrez&page=1](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2175863/?tool=pmcentrez&page=1)

Anandamide, an endogenous cannabimimetic eicosanoid, binds to the cloned human cannabinoid receptor and stimulates receptor-mediated signal transduction (full - 1993) [http://www.pnas.org/content/90/16/7656.full.pdf+html](http://www.pnas.org/content/90/16/7656.full.pdf+html)

Enzymatic synthesis of anandamide, an endogenous ligand for the cannabinoid receptor, by brain membranes (full - 1994) [http://www.pnas.org/content/91/14/6698.full.pdf+html](http://www.pnas.org/content/91/14/6698.full.pdf+html)

Formation and inactivation of endogenous cannabinoid anandamide in central neurons. (letter – 1994) [http://www.nature.com/nature/journal/v372/n6507/abs/372686a0.html](http://www.nature.com/nature/journal/v372/n6507/abs/372686a0.html)

Anandamide amidohydrolase activity in rat brain microsomes. Identification and partial characterization. (full – 1995) [http://www.jbc.org/content/270/11/6030.long](http://www.jbc.org/content/270/11/6030.long)
Anandamide and delta 9-THC dilation of cerebral arterioles is blocked by indomethacin
(abst - 1995)
http://ajpheart.physiology.org/cgi/content/abstract/269/6/H1859?maxtoshow=&hits=80&RESUL

Occurrence and biosynthesis of endogenous cannabinoid precursor, N-arachidonoyl
phosphatidylethanolamine, in rat brain. (full – 1997)
http://www.jneurosci.org/content/17/4/1226.long

Cannabinoid-Induced Hypotension and Bradycardia in Rats Is Mediated by CB1-Like
Cannabinoid Receptors (full - 1997)
http://jpet.aspetjournals.org/content/281/3/1030.full?maxtoshow=&hits=80&RESULTFORMAT=

Patent 5631297 - Anandamides useful for the treatment of intraocular hypertension, ophthal
mic compositions containing the same and methods of use of the same (full – 1997)
http://www.patentstorm.us/patents/5631297/fulltext.html

Anandamide : The molecule of extreme pleasure (report– 1997)
http://www.chomp.bris.ac.uk/motm/anandamide/ananh.htm


Anandamide, an Endogenous Cannabinoid, Has a Very Low Physical Dependence
Potential (full - 1998)
http://jpet.aspetjournals.org/content/287/2/598.full?maxtoshow=&hits=80&RESULTFORMAT=

The endogenous cannabinoid anandamide inhibits human breast cancer cell proliferation
(full - 1998)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC20983/

Trick or treat from food endocannabinoids? (abst – 1998)
http://www.nature.com/nature/journal/v396/n6712/full/396636a0.html


Pain modulation by release of the endogenous cannabinoid anandamide (full - 1999)
http://www.pnas.org/content/96/21/12198.full

Cannabis: Discrimination of “Internal Bliss”? (abst – 1999)

Brain Releases Marijuana-Like Substance In Response To Pain, Study Finds

UC Irvine Researchers Demonstrate How Marijuana-Like Chemicals Work In The Brain

48
Anandamide Induces Apoptosis in Human Cells via Vanilloid Receptors  (full - 2000) 
http://www.jbc.org/content/275/41/31938.full

Endocannabinoids and Vascular Function  (full - 2000)
http://jpet.aspetjournals.org/content/294/1/27.long

Suppression of Nerve Growth Factor Trk Receptors and Prolactin Receptors by Endocannabinoids Leads to Inhibition of Human Breast and Prostate Cancer Cell Proliferation  (full - 2000)  http://endo.endojournals.org/cgi/content/full/141/1/118

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

Cardiovascular effects of endocannabinoids--the plot thickens.  (abst - 2000)

Low dose anandamide affects food intake, cognitive function, neurotransmitter and corticosterone levels in diet-restricted mice.  (abst – 2000)

Anandamide and diet: inclusion of dietary arachidonate and docosahexaenoate leads to increased brain levels of the corresponding N-acyylethanolamines in piglets.  (full – 2001)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC33480/?tool=pubmed

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

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

Exogenous anandamide protects rat brain against acute neuronal injury in vivo.  (full – 2001)  http://www.jneurosci.org/content/21/22/8765.long

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

Palmitoylethanolamide inhibits the expression of fatty acid amide hydrolase  and enhances the anti-proliferative effect of anandamide in human breast cancer cells  (full - 2001)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1222054/pdf/11485574.pdf/?tool=pmcentrez
Mechanisms of anandamide-induced vasorelaxation in rat isolated coronary arteries (full - 2001)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573021/?tool=pmcentrez

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=HWCT

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

Supersensitivity to anandamide and enhanced endogenous cannabinoid signaling in mice lacking fatty acid amide hydrolase  (full - 2001)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC55427/?tool=pubmed

Leptin-regulated endocannabinoids are involved in maintaining food intake  (letter – 2001)  
http://www.nature.com/nature/journal/v410/n6830/full/410822a0.html

Endogenous cannabinoid anandamide increases heart resistance to arrhythmogenic effects of epinephrine: role of CB(1) and CB(2) receptors.  (abst - 2001)  

The Central Cannabinoid Receptor Inactivation Suppresses Endocrine Reproductive Functions.  (abst – 2001)  

Quantification of anandamide content in animal cells and tissues: the normalization makes the difference  (full - 2002)  
http://www.lipidworld.com/content/1/1/4

Sourcing the Code: Searching for the Evolutionary Origins of Cannabinoid Receptors, Vanilloid Receptors, and Anandamide  (full – 2002)  

Estrogen stimulates arachidonoylethanolamide release from human endothelial cells and platelet activation   (full – 2002)  
http://bloodjournal.hematologylibrary.org/content/100/12/4040.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?ijkey=eb71d6d7a06f311440761efac6a7d081bcc2771d

A Peripheral Mechanism for CB1 Cannabinoid Receptor-Dependent Modulation of Feeding   (full - 2002)  
http://www.jneurosci.org/cgi/content/abstract/22/21/9612?ijkey=328b5e83d7be9297b9483d22e0d6319fa0a862e8&keytype2=tf_ipsecsha
Experimental parkinsonism alters endocannabinoid degradation: implications for striatal glutamatergic transmission. (full – 2002) http://www.jneurosci.org/content/22/16/6900.long


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-afa05ee417c

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

A new endothelial target for cannabinoids. (full -2003) http://molpharm.aspetjournals.org/content/63/3/469.long

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 protect the rat isolated heart against ischaemia (full - 2003) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573907/?tool=pmcentrez


Manipulation of the endocannabinoid system by a general anaesthetic. (full – 2003) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573927/?tool=pubmed

Cannabinoids inhibit neurodegeneration in models of multiple sclerosis (full - 2003) http://brain.oxfordjournals.org/cgi/content/full/126/10/2191?ijkey=c7c6bdf158b85c98cb1a190d5ca2614552989ba0
Therapeutic potential of cannabinoids in CNS disease.  (abst - 2003)  


Inhibition of C6 glioma cell proliferation by anandamide, 1-arachidonoylglycerol, and by a water soluble phosphate ester of anandamide: variability in response and involvement of arachidonic acid.  (abst – 2003)  

Therapeutic potential of cannabinoids in CNS disease.  (abst - 2003)  

Cannabinoid influences on palatability: microstructural analysis of sucrose drinking after delta(9)-tetrahydrocannabinol, anandamide, 2-arachidonoyl glycerol and SR141716.  (abst – 2003)  

An endogenous cannabinoid tone attenuates cholera toxin-induced fluid accumulation in mice.  (abst - 2003)  

Anandamide enhances extracellular levels of adenosine and induces sleep: an in vivo microdialysis study.  (abst - 2003)  

The endocannabinoid system: a general view and latest additions  (full - 2004)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1574255/?tool=pmcentrez

Endocannabinoids: Getting the message across  (full - 2004)  
http://www.pnas.org/content/101/23/8512.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoids&searchid=1&FIRSTINDEX=2880&resourcetype=HWCIT

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**BRAIN CELLS** - see NEURONS

**BRAIN - MENTAL EFFECTS** - see IQ/COGNITIVE EFFECTS/ MEMORY

**BRAIN - PHYSICAL EFFECTS**


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CANCER – BASAL CELL CARCINOMA - see CANCER – SKIN

CANCER – BLADDER / URETHRAL


CANCER - BONE


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CANCER – CHOLANGIOCARCINOMA

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The endogenous cannabinoid, anandamide, induces cell death in colorectal carcinoma cells: a possible role for cyclooxygenase 2 (full - 2005)
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Cannabinoid cell surface receptor plays a tumor-suppressing role in human colorectal cancer (news – 2008)  
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CANCER - GASTRIC


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Marijuana May Stall Brain Tumor Growth    (news - 2004)  

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Cannabis Oil Shrinks “One Of The Worst” Cancers (news – infomercial – 2012)  
(warning: graphic photos)  
CANCER - TESTICULAR

Chemotherapy for Testicular Cancer  (anecdotal - no date)
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CANCER - THYMOMA

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CANCER - THYROID

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CANCER - VARIOUS/ UNNAMED

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NEW USE FOR CANNABINOID-CONTAINING PLANT EXTRACTS


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CANNABINOID RECEPTOR SYSTEM - see ENDOCANNABINOID SYSTEM, CBR
**CANNABINOR** - synthetic, CB2 agonist


**CANNADOR** - a phytocannabinoid extract in pill form


CARDBIOVASCULAR - see HEART DISEASE

CARPAL TUNNEL SYNDROME


CBR - CB1 CANNABINOID RECEPTOR  -activated by THC, Anandamide, synthetics

Cannabinoid Receptor Ligands  (full - no date)
http://www.tocris.com/pdfs/cannabinoid_receptor_review/page_001.html

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CHILDREN/ YOUNG ADULTS

Hemp Packs in Powerful Source of Preconception Nutrition  (article - no date)

HEMP AS A MEDICAMENT : Importance of hemp seeds in the tuberculosis therapy (Forum thread- full- 1955)  (EDEZYME. recipe)

Survey of adolescent drug use. I. Sex and grade distribution.  (full – 1971)


Nabilone: an alternative antiemetic for cancer chemotherapy.  (abst - 1986)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=123

Nabilone versus prochlorperazine for control of cancer chemotherapy-induced emesis in children  (abst - 1987)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=120

Marijuana Use in Pregnancy and Pregnancy Outcome.  (abst – 1990)


Prenatal marijuana use and neonatal outcome.  (abst – 1991)

Analysis of Facial Shape in Children Gestationally Exposed to Marijuana, Alcohol, and/or Cocaine  (abst - 1992)
http://pediatrics.aappublications.org/cgi/content/abstract/89/1/67?maxtoshow=&hits=80&RESULTFORMAT AT=&fulltext=marihuana&searchid=1&FIRSTINDEX=960&resourcetype=HWCIT


Prenatal exposure to marihuana and tobacco during infancy, early and middle childhood: effects and an attempt at synthesis.  (abst – 1995)

236
Prenatal tobacco and marijuana use among adolescents: effects on offspring gestational age, growth, and morphology. (abst – 1995)

An efficient new cannabinoid antiemetic in pediatric oncology. (abst - 1995)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=7


Cannabis Cookies: a Cause of Coma. (abst – 1996)

Mortality Within the First 2 Years in Infants Exposed to Cocaine, Opiate, or Cannabinoid During Gestation (abst - 1997)
http://pediatrics.aappublications.org/cgi/content/abstract/100/1/79?maxtoshow=&hits=80&RESULTFORM AT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=640&resourcetype=HWCIT

Maternal cannabis use and birth weight: a meta-analysis (abst – 1997)
http://www.ingentaconnect.com/content/carfax/cadd/1997/00000011/art00015

Dr. Melanie Dreher, reefer researcher (interview - 1998)
http://www.cannabisculture.com/v2/articles/1404.html

Cannabis and pregnancy (full - 1999)
http://www.ukcia.org/research/CannabisAndPregnancy.php

Ganja mothers, ganja babies (news - 1999)
http://www.cannabisculture.com/articles/1422.html


Cannabis use falls among Dutch youth (abst - 2000)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1118548/?tool=pubmed

Hemp Supplement Boosts Body AND Mind (anecdotal/news - 2001)

Maternal use of cannabis and pregnancy outcome. (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)  

Endocannabinoids and food intake: newborn suckling and appetite regulation in adulthood. (full - 2005)  
http://ebm.rsmjournals.com/cgi/content/full/230/4/225

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

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/mikuriya07082006.html

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
Pot May Not Shrink Teens' Brains After All  (news - 2006)  
http://www.medpagetoday.com/Neurology/GeneralNeurology/tb/3242

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

Prevalence of gestational exposure to cannabis in a Mediterranean city by meconium analysis.  (abst - 2007)  

Teens who use only cannabis appear to function better than those who also use tobacco  (news - 2007)  

Teens Who Smoke Marijuana But Not Tobacco Are Different From Other Teen Groups  (news - 2007)  

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

http://norml.org/index.cfm?Group_ID=8060

Marijuana Use by Young People: The Impact of State Medical Marijuana Laws  (full - 2008)  

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

Characteristics of Adolescents Who Use Cannabis But Not Tobacco  (news - 2008)  

Medical marijuana: a surprising solution to severe morning sickness  (news - 2008)  
When Your Kid Smokes Pot (news – 2008)
http://mensnewsdaily.com/2010/08/08/when-your-kid-smokes-pot/

Relief-oriented use of marijuana by teens (full - 2009)

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

The influence of substance use on adolescent brain development. (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2827693/?tool=pubmed

http://www.unboundmedicine.com/medline/ebm/record/19813111/abstract/Cannabis_use_and_deliberate_self_harm_in_adolescence:_a_comparative_analysis_ofAssociations_in_England_and_Norway

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/ebmrecord/19716686/abstract/Urinary_toxicological_screening:_Analytical_interference_between_niflumic_acid_and_cannabis


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)

White Matter Integrity in Adolescents with Histories of Marijuana Use and Binge Drinking. (abst - 2009)
http://www.unboundmedicine.com/medline/ebm/record/19631736/abstract/White_Matter_Integrity_in_Adolescents_with_Histories_of_Marijuana_Use_and_Binge_Drinking

Cannabis and tobacco use: where are the boundaries? A qualitative study on cannabis consumption modes among adolescents. (abst - 2009)
http://www.unboundmedicine.com/medline/ebm/record/19515745/full_citation/Cannabis_and_tobacco_use_where_are_the_boundaries_A_qualitative_study_on_cannabis_consumption_modes_among_adolescents
Herbal Remedy: Teens Often Use Cannabis For Relief, Not Recreation, Study Finds  
(news - 2009)  

Maternal Marijuana use not Associated with Psychotic Symptoms , but Alcohol is  
(news - 2009)  

Why I Give My 9-year-old Pot  
(news/annecdotal - 2009)  
http://www.doublex.com/section/health-science/why-i-give-my-9-year-old-pot

Why I Give My 9-Year-Old Pot, Part II  
(news/annecdotal - 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

The Maternal Lifestyle Study: Sleep Problems in Children with Prenatal Substance Exposure  
(full – 2010)  
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.thefreelibrary.com/Learning+and+memory+performances+in+adolescent+users+of+alcohol+and+marijuana-and-a0241277101

PTSD contributes to teen and young adult cannabis use disorders.  
(full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2784238/?tool=pubmed

Cannabis withdrawal severity and short-term course among cannabis-dependent adolescent and young adult inpatients  
(abst - 2010)  

The cannabinoid WIN55212-2 promotes neural repair after neonatal hypoxia-ischemia.  
(abst - 2010)  

Cannabis Use and Obesity and Young Adults  
(abst - 2010)  

(abst – 2010)  

12 Year Olds More Likely to Use Potentially Deadly Inhalants Than Cigarettes or Marijuana  
(news - 2010)  
http://www.sciencedaily.com/releases/2010/03/100312144534.htm

'Marijuana is helping my 9-year-old   
(news/annecdotal - 2010)  
http://theweek.com/article/index/202109/Marijuana_is_helping_my_9-yearold

Teen Pot Smoking Won't Lead to Other Drugs as Adults  (news - 2010)  http://www.webmd.com/parenting/news/20100902/teen-pot-smoking-wont-lead-to-other-drugs-as-adults


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


The social contagion effect of marijuana use among adolescents.  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3018468/?tool=pubmed


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/Accidental_cannabis_poisoning_in_children:_report_of_four_cases_in_a_tertiary_care_center_from_southern_Spain%5D


CHOLERA


**CHOLESTEROL**

Cannabinoids impair the formation of cholesteryl ester in cultured human cells.  
(full – 1981)  
http://atvb.ahajournals.org/cgi/reprint/1/6/449

Cholesterol-induced stimulation of platelet aggregation is prevented by a hempseed-enriched diet.  
(abst – 2008)  

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

The Non-Psychoactive Plant Cannabinoid, Cannabidiol Affects Cholesterol Metabolism-Related Genes in Microglial Cells.  
(abst – 2011)  

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

The effect of dietary hempseed on atherogenesis and contractile function in aortae from hypercholesterolemic rabbits.  
(abst – 2011)  

**CHRONIC FATIGUE SYNDROME**

A Practical treatise on nervous exhaustion (neurasthenia) aka Chronic Fatigue Syndrome  
(full – 1894)  

**COGNATIVE EFFECTS**  see IQ

**COLITIS**

Ulcerative Colitis and Marijuana  
(letter - 1990)  
http://www.druglibrary.org/schaffer/hemp/medical/colitis1.htm

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

Targeting endocannabinoid degradation protects against experimental colitis in mice: involvement of CB1 and CB2 receptors. (abst – 2008) 

Activation of the cannabinoid 2 receptor (CB2) protects against experimental colitis. (full - 2009)  

Ulcerative Colitis Induces Changes on the Expression of the Endocannabinoid System in the Human Colonic Tissue (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2731878/?tool=pmcentrez

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)  

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

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. (abst – 2011) 
http://www.unboundmedicine.com/medline/ebm/record/21551239/abstract/Increasing_endogenous_2_arachidonoylglycerol_levels_counteracts_colitis_and_related_systemic_inflammation


**COPD/ CHRONIC OBSTRUCTIVE PULMONARY DISEASE**

Heavy Habitual Marijuana Smoking Does Not Cause an Accelerated Decline in FEV with Age (full - 1997) http://www.drugtext.org/library/research/cannabis/respiration/respiration02/resp02.htm


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
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)  

Marijuana Smoke Not as Damaging as Tobacco, Says Study  (news - 2012)  

**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

Novel treatment for cough  (full - 2006)  
Cannabis Cough Cure  (news - 2006)

G-protein coupled receptors regulating cough.  (abst – 2011)

COWPOX

"Recreational" drug abuse associated with failure to mount a proper antibody response after a generalised orthopoxvirus infection.  (abst – 2011)

CP 47,497 - a synthetic cannabinoid, CB1 & CB2 agonist

Cannabimimetic activity from CP-47,497, a derivative of 3-phenylcyclohexanol  
(abst - 1982)
http://jpet.aspetjournals.org/content/223/2/516.abstract?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=Hexahydrocannabinol&searchid=1&FIRSTINDEX=0&resourcetype=HWT

The Conformational Properties of the Highly Selective Cannabinoid Receptor Ligand CP-55,940  
(full - 1996)
http://www.jbc.org/content/271/18/10640.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=Hexahydrocannabinol&searchid=1&FIRSTINDEX=0&resourcetype=HWT

Cannabinoids augment the release of neuropeptide Y in the rat hypothalamus  
(abst – 2005)  

Withdrawal Phenomena and Dependence Syndrome After the Consumption of "Spice Gold"  
(full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2719097/?tool=pmcentrez

Spice drugs: cannabinoids as a new designer drugs.  (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19718488/abstract%5BSpice_drugs:_cannabinoids_as_a_new_designer_drugs_%5D


Pharmacological properties and dependence liabilities of synthetic cannabinoids  
(abst – 2010)  
http://www.unboundmedicine.com/medline/ebm/record/20681249/abstract%5BPharmacological_properties_and_dependence_liabilities_of_synthetic_cannabinoids%5D

THIS ISN'T YOUR MOTHER'S SPICE  (news - 2010)  http://www.mapinc.org/drugnews/v10/n497/a07.html


College students and use of K2: an emerging drug of abuse in young persons  (full – 2011)  http://www.substanceabusepolicy.com/content/6/1/16

Marijuana-based Drugs: Innovative Therapeutics or Designer Drugs of Abuse?  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3139381/?tool=pubmed


CP47,497-C8 and JWH073, commonly found in 'Spice' herbal blends, are potent and efficacious CB(1) cannabinoid receptor agonists.  (abst – 2011)  http://www.ncbi.nlm.nih.gov/pubmed/21333643


Use of high-resolution accurate mass spectrometry to detect reported and previously unreported cannabinomimetics in "herbal high" products.  (abst – 2011)  http://www.ncbi.nlm.nih.gov/pubmed/20529459


**CP 50,556-1 / LEVONANTRADOL** synthetic, CB1 & CB2 agonist

Clinical experience with levonantradol hydrochloride in the prevention of cancer chemotherapy-induced nausea and vomiting.  (abst – 1981)  

Randomised Clinical Trial of Levonantradol and Chlorpromazine in the Prevention of Radiotherapy-induced Vomiting.  (abst - 1982)  

Levonantradol, a new antiemetic with a high rate of side-effects for the prevention of nausea and vomiting in patients receiving cancer chemotherapy.  (abst – 1982)  

Respiratory and cardiovascular depressant effects of nabilone, N-methyllevonantradol and delta 9-tetrahydrocannabinol in anesthetized cats.  (abst - 1983)  
http://jpet.aspetjournals.org/content/227/2/508.abstract?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=marihuana&searchid=1&FIRSTINDEX=1920&resourcetype=HWCIT

Levonantradol: a synthetic cannabinoid in the treatment of severe chemotherapy-induced nausea and vomiting resistant to conventional anti-emetic therapy.  (abst – 1983)  

Antiemetic efficacy of levonantradol compared to delta-9-tetrahydrocannabinol for chemotherapy-induced nausea and vomiting.  (abst – 1985)  


Delta(9)-tetrahydrocannabinol and synthetic cannabinoids prevent emesis produced by the cannabinoid CB(1) receptor antagonist/inverse agonist SR 141716A.  (full – 2001)  
http://www.nature.com/npp/journal/v24/n2/full/1395605a.html

Marijuana-based Drugs: Innovative Therapeutics or Designer Drugs of Abuse?  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3139381/?tool=pubmed
CP 55,940 - a synthetic cannabinoid-CB1 & CB2 agonist

Molecular cloning of a human cannabinoid receptor which is also expressed in testis (abst – 1991)  http://pharmgkb.org/pmid/1718258

Cannabinoid receptor agonists inhibit Ca current in NG108-15 neuroblastoma cells via a pertussis toxin-sensitive mechanism.  (full - 1992)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1907498/?tool=pmcentrez&page=1

Cross-tolerance between delta-9-tetrahydrocannabinol and the cannabimimetic agents, CP 55,940, WIN 55,212-2 and anandamide.  (full - 1993)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2175863/?tool=pmcentrez&page=1

Involvement of Dynorphin B in the Antinociceptive Effects of the Cannabinoid CP55,940 in the Spinal Cord  (full - 1997)  http://jpet.aspetjournals.org/content/281/2/730.full

Cannabinoid Receptor Agonists Protect Cultured Rat Hippocampal Neurons from Excitotoxicity  (full - 1998)  http://molpharm.aspetjournals.org/content/54/3/459.full


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

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


The potent emetogenic effects of the endocannabinoid, 2-AG (2-arachidonoylglycerol) are blocked by delta(9)-tetrahydrocannabinol and other cannabnoids.  (full – 2002)  http://jpet.aspetjournals.org/content/300/1/34.long

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


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

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=pubmed


CB2 receptors in the brain: role in central immune function (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219530/?tool=pmcentrez

Attenuation of Experimental Autoimmune Hepatitis by Exogenous and Endogenous Cannabinoids: Involvement of Regulatory T Cells (full - 2008) http://molpharm.aspetjournals.org/content/74/1/20.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT#content-block

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


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

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


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_

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_
CROHN'S  - see BOWEL DISODERS

CRUETZFELDT-JACOB DISEASE  - see MAD COW DISEASE

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Women Find Healthy Hormone Balance with Hemp (ad/article - no date)  

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The inhibitory effects of cannabinoids, the active constituents of Cannabis sativa L. on human and rabbit platelet aggregation.  (abst - 1989)

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HU-211 / DEXANABINOL - synthetic, CB 2 agonist


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**IBS**  -  see BOWEL DISORDERS
IDIOPATHIC INTRACRANIAL HYPERTENSION


IDRASIL – a natural THC pill


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High Childhood IQ Linked to Subsequent Illicit Drug Use, Research Suggests  

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JWH-018 – synthetic, CB1 agonist

Withdrawal Phenomena and Dependence Syndrome After the Consumption of "Spice Gold" (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2719097/?tool=pmcentrez


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College students and use of K2: an emerging drug of abuse in young persons (full – 2011) http://www.substanceabusepolicy.com/content/6/1/16


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**JWH-073** - synthetic, CB1 & CB2 agonist

Spice drugs: cannabinoids as a new designer drugs.  (abst - 2009)  
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Now, There's a Test for That -- Norchem's "Fake Marijuana" Test Reveals Significantly Increased Abuse of Spice/K2  

College students and use of K2: an emerging drug of abuse in young persons  
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JWH-100 / AM -678 - synthetic, CB1 agonist

College students and use of K2: an emerging drug of abuse in young persons  (full – 2011)  http://www.substanceabusepolicy.com/content/6/1/16


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Regression of Fibrosis after Chronic Stimulation of Cannabinoid CB2 Receptor in Cirrhotic Rats (full - 2008)  
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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
Cannabinoid 2 receptor induction by IL-12 and its potential as a therapeutic target for the treatment of anaplastic thyroid carcinoma. (abst - 2008)
http://www.unboundmedicine.com/medline/ebm/record/18197164/full Citation/Cannabinoid_2_receptor_induction_by_IL_12_and_its_potential_as_a_therapeutic_target_for_the_treatment_of_anaplastic_thyroid_carcinoma


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

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

Activation of cannabinoid 2 receptors protects against cerebral ischemia by inhibiting neutrophil recruitment. (full – 2010) http://www.fasebj.org/content/24/3/788.long

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

Brain cannabinoid CB2 receptors modulate cocaine's actions in mice (abst – 2011) http://www.nature.com/neuro/journal/vaop/ncurrent/full/nn.2874.html


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

Beneficial paracrine effects of cannabinoid receptor 2 on liver injury and regeneration. (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/20597071/abstract/Beneficial_paracrine_effects_of_cannabinoid_receptor_2_on_liver_injury_and_regeneration

Spinal cannabinoid CB2 receptors as a target for neuropathic pain: an investigation using chronic constriction injury. (abst – 2011)  

Cannabinoid type 2 receptor activation downregulates stroke-induced classic and alternative brain macrophage/microglial activation concomitant to neuroprotection. (abst – 2012)  

**KIDNEYS**

Cream with endocannabinoids effective in the treatment of pruritus due to kidney disease (news - 2005)  

Modulation of P-glycoprotein activity by cannabinoid molecules in HK-2 renal cells (full - 2006)  

Regulation of Bone Mass, Osteoclast Function, and Ovariectomy-Induced Bone Loss by the Type 2 Cannabinoid Receptor (full - 2008)  
http://endo.endojournals.org/cgi/content/full/149/11/5619?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=240&resourcetype=HWCIT

The preventive effect of cannabinoids on reperfusion-induced ischemia of mouse kidney. (abst - 2008)  

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=cannabinoid&searchid=1&FIRSTINDEX=2400&resourcetype=HWCIT

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-4aec5dfac384

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

Expression of cannabinoid receptors in human kidney. (abst – 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/


KNOCK-OUT MICE — they show what can happen when the endocannabinoid system is defective.

Increased Mortality, Hypoactivity, and Hypoalgesia in Cannabinoid Cb1 Receptor Knockout Mice. (full – 1999) http://www.pnas.org/content/96/10/5780.long


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


Defective adult neurogenesis in CB1 cannabinoid receptor knockout mice. (full - 2004)  http://molpharm.aspetjournals.org/content/66/2/204.long

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


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

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

Cannabinoid-receptor 1 null mice are susceptible to neurofilament damage and caspase 3 activation. (abst – 2005)  http://www.ncbi.nlm.nih.gov/pubmed/15953683

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

Loss of Cannabinoid Receptor CB1 Induces Preterm Birth  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2553193/?tool=pmcentrez

The peripheral cannabinoid receptor knockout mice: an update. (full – 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219525/?tool=pubmed

Altered CB1 receptor and endocannabinoid levels precede motor symptom onset in a transgenic mouse model of Huntington's disease.  (abst – 2009)  


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

Early onset of aging-like changes is restricted to cognitive abilities and skin structure in Cnr1(-/-) mice.  (abst – 2011)  http://www.ncbi.nlm.nih.gov/pubmed/20724033


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

Impaired hippocampal glucoregulation in the cannabinoid CB(1) receptor knockout mice as revealed by an optimized in vitro experimental approach.  (abst – 2011)  

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

**LEGIONAIRES DISEASE**

Legionnaires disease in cannabis smokers.  (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/20923802/abstract/Legionnaires_disease_in_cannabis_smokers
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

HEMP AS A MEDICAMENT : Importance of hemp seeds in the tuberculosis therapy (Forum thread- full- 1955) (EDEZYME. recipe)


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://hmg.oxfordjournals.org/cgi/content/full/14/22/3389

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

Cannabinoid receptors as new targets of antifibrosing strategies during chronic liver diseases. (abst - 2007)  

Cannabinoid receptors as novel therapeutic targets for the management of non-alcoholic steatohepatitis (full - 2008)  
http://www.em-consulte.com/article/200095

CB2 receptors as new therapeutic targets for liver diseases. (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219531/?tool=pubmed

Role of cannabinoids in chronic liver diseases (full – 2008)  
http://www.wjgnet.com/1007-9327/full/v14/i40/6109.htm

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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

Endocannabinoids and Liver Disease. V. Endocannabinoids as mediators of vascular and cardiac abnormalities in cirrhosis (full – 2008)  

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.jbc.org/content/283/48/33021.full?sid=931583b1-e797-43e0-8296-7fd75bb49403

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects (full – 2008)  
http://gut.bmj.com/content/57/8/1140.full

Endocannabinoids and cannabinoid receptors in ischaemia–reperfusion injury and preconditioning (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219536/?tool=pmcentrez

Cannabinoids and capsaicin improve liver function following thioacetamide-induced acute injury in mice. (abst - 2008)  

Endocannabinoids in liver disease and hepatic encephalopathy. (abst – 2008)  

The endocannabinoid system as a novel target for the treatment of liver fibrosis (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
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

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

Beneficial effects of a Cannabis sativa extract treatment on diabetes-induced neuropathy and oxidative stress.  
(abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19441010/abstract/

Cannabidiol ameliorates cognitive and motor impairments in mice with bile duct ligation.  
(abst - 2009)  

Science: Oral intake of a cannabinoid together with a meal improved bioavailability by avoiding first-pass metabolism  
(abst - 2009)  

The role of CB2 cannabinoid receptor and Leptin in hepatic fibrosis via lymphocyte alterations and HSC phagocytosis  
(abst – 2009)  
http://www.docstoc.com/docs/76792678/The-role-of-CB2-cannabinoid-receptor-and-Leptin-in-hepatic-

Effect of (-)-Delta(9)-tetrahydrocannabinoid on the hepatic redox state of mice.  
(full – 2010)  

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)  

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

Endocannabinoids in liver disease.  
(full – 2011)  

Cannabidiol causes activated hepatic stellate cell death through a mechanism of endoplasmic reticulum stress-induced apoptosis.  
(full – 2011)  
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

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=HWCT


Hyperactivation of anandamide synthesis and regulation of cell-cycle progression via cannabinoid type 1 (CB1) receptors in the regenerating liver (abst – 2011)
http://www.pnas.org/content/108/15/6323.abstract?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCT

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


Cannabidiol protects against hepatic ischemia/reperfusion injury by attenuating inflammatory signaling and response, oxidative/nitrative stress, and cell death. (abst – 2011)

Δ(8) -Tetrahydrocannabivarin protects against hepatic ischemia/reperfusion injury by attenuating oxidative stress and inflammatory response involving CB(2) receptors. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21470208

Hyperactivation of anandamide synthesis and regulation of cell-cycle progression via cannabinoid type 1 (CB1) receptors in the regenerating liver. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/21383171/abstract/Hyperactivation_of_anandamide_synthesis_and_regulation_of_cell_cycle_progression_via_cannabinoid_type_1_CB1_receptors_in_the_regenerating_liver


**LONG TERM USE EFFECTS**


Neuropsychological Performance in Long-term Cannabis Users (full - 2001) http://archpsyc.ama-assn.org/cgi/content/full/58/10/909?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&s=earchid=1&FIRSTINDEX=2880&resourcetype=HWCIT


17. LONG-TERM EFFECTS OF HEAVY MARIJUANA USE (news - 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

Scientific Opinion on the safety of hemp (Cannabis genus) for use as animal feed (full – 2011) (deceptive title) 

Marijuana use among older adults in the U.S.A.: user characteristics, patterns of use, and implications for intervention (abst – 2011) 
http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=8259427&fulltextType=RA&fileId=S1041610210002176


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

LUNG FUNCTION


Bronchodilator effect of delta1-tetrahydrocannabinol.  (full - 1978)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1429361/


Health care use by frequent marijuana smokers who do not smoke tobacco.  (full - 1993)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1311782/?tool=pmcentrez


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


No Decrease in Pulmonary Function Associated with Long-Term Cannabis Smoking, Study Says  (news - 2007)  http://www.illinoisnorml.org/content/view/366/27/

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

"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

Marijuana doesn't harm lung function, study found  (news – 2012)  http://news.yahoo.com/marijuana-doesnt-harm-lung-function-study-found-210146886.html


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

LUPUS ERYTHEMATOSUS

Systemic Lupus Erythematosus by Lisa Swiderski  (anecdotal - no date)  http://rxmarijuana.com/lupus.htm

Lupus by Randi Cox  (anecdotal – no date)  http://rxmarijuana.com/shared_comments/lupus2.htm


LYME DISEASE

Lyme Disease by Cynkay Morningstar  (anecdotal – no date)
http://rxmarijuana.com/shared_comments/Lyme_Disease.htm

Cannabis Alleviates Symptoms of Lyme Disease!  (news – 2010)
http://ezinearticles.com/?Cannabis-Alleviates-Symptoms-of-Lyme-Disease!&id=4979819

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  

Cannabidiol May be Effective in Preventing Bovine Spongiform Encephalopathy (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/

**MARINOL** - a synthetic THC - also see DRONABINOL

Cannabinoids  (encyclopedia entry)  http://www.chemie.de/lexikon/e/Cannabinoids/

CANNABIS AND MARINOL IN THE TREATMENT OF MIGRAINE HEADACHE  (letter - no date)  http://www.druglibrary.org/schaffer/hemp/migrn2.htm

Chronic Migraine Headache: five cases successfully treated with Marinol and/or illicit cannabis.  (abst - 1991)  http://www.druglibrary.org/schaffer/hemp/migrn1.htm


ACG: Cannabinoid Activator Mellows Out Colon  (news - 2006)  
http://www.medpagetoday.com/MeetingCoverage/ACG/4410

Cannabinoids in the management of difficult to treat pain  (full -2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2503660/?tool=pmcentrez

Medical use of cannabinoids does not cause an increase in serious adverse health effects  (news - 2008)  

Deaths from Marijuana v. 17 FDA-Approved Drugs  (full- 2009)  

Emerging strategies for exploiting cannabinoid receptor agonists as medicines.  (full – 2009)  

Does the Pot Pill Work?  (news - 2009)  

The FDA has written documentation that patients can overdose on Marinol and that it can be lethal  (news - 2009)  

Nature’s (Legal) Cannabinoids  (news - 2010)  
http://www.mapinc.org/drugnews/v10/n126/a04.html?1194

Oral THC Reduces Aggressive Behavior In Patients With Refractory Psychosis, Study Says  (news - 2010)  
http://www.norml.org/index.cfm?Group_ID=8419

Is Pot Good For You?  (news – 2011)  
http://www.time.com/time/magazine/article/0,9171,1003570,00.html

**MDA 19** – synthetic, strong CB2 agonist

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)  

Pharmacological characterization of a novel cannabinoid ligand, MDA19, for treatment of neuropathic pain.  (full – 2010)  
http://www.anesthesia-analgesia.org/content/111/1/99.long

Studies demonstrate analgesic properties of synthetic cannabinoid  (news – 2010)  
MEIGE'S SYNDROME

Treatment of Meige's syndrome with cannabidiol. (abst - 1984)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=114

Open label evaluation of cannabidiol in dystonic movement disorders.
(full - 1986) http://web.acsalaska.net/~warmgun/es017.html

MEMORY - see IQ

MENIERE'S SYNDROME

Menière’s Syndrome by Charlie Ritchie (anecdotal - no date)
http://www.rxmarijuana.com/shared_comments/ritchie.htm

Doctors say cannabis treats Meniere’s disease (news - 2005)

MENINGITIS

A novel nonpsychotropic cannabinoid, HU-211, in the treatment of experimental pneumococcal meningitis.
http://jid.oxfordjournals.org/content/173/3/735.long

MENOPAUSE - also see AGING, GYNOCOLOGY

Acute effects of marihuana on luteinizing hormone in menopausal women. (abst – 1985)
Effects of acute marijuana smoking in post-menopausal women.  (abst – 1986)
http://www.ncbi.nlm.nih.gov/pubmed/3094054

Estrogen stimulates arachidonylethanolamide 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)
http://endo.endojournals.org/cgi/content/full/149/11/5619?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=240&resourcetype=HWCIT

Study: Marijuana & The Fountain of Youth  (news/ad - 2008)


MENTAL DISORDERS  - see SCHIZOPHRENIA/ MENTAL DISORDERS

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The CB2 Cannabinoid Receptor Controls Myeloid Progenitor Trafficking INVOLVEMENT IN THE PATHOGENESIS OF AN ANIMAL MODEL OF MULTIPLE SCLEROSIS (full - 2008)  
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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/

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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)
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Study Confirms That Cannabis Is Beneficial for Multiple Sclerosis  (news - 2009)

Marijuana Chemicals Ease MS Symptoms, Review Confirms  (news - 2009)
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Cannabis can reduce spasticity in MS patients  (news - 2009)

Standardized Cannabis in Multiple Sclerosis: A Case Report  (full - 2010)
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New metabolic pathway for controlling brain inflammation  (news – 2011)  

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Medical Marijuana use for Muscular Dystrophy  (news - 2009)  

MUSCLE RELAXANT

Effects of Cannabinoids on Caffeine Contractures in Slow and Fast Skeletal Muscle Fibers of the Frog  (full - 2009)  
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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

NABILONE / CESAMET - a synthetic THC, CB 1 & CB 2 agonist

GENERIC NAME: NABILONE - ORAL (NAB-ih-lone)
Brand Names : Cesamet  (monograph - no date)
http://www.medicinenet.com/nabilone-oral/article.htm

Microbiological transformations of nabilone, a synthetic cannabinoid.  (full - 1979)
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The efficacy and safety of nabilone (a synthetic cannabinoid) in the treatment of anxiety (abst - 1981)
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The effects of the cannabinoid receptor agonist nabilone on L-DOPA induced dyskinesia in patients with idiopathic Parkinson's disease (PD).  

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Different effects of nabilone and cannabidiol on binocular depth inversion in Man.  

Delta(9)-tetrahydrocannabinol and synthetic cannabinoids prevent emesis produced by the cannabinoid CB(1) receptor antagonist/inverse agonist SR 141716A.  

Cannabinoids reduce levodopa-induced dyskinesia in Parkinson's disease: a pilot study.  

Antiinflammatory action of endocannabinoid palmitoylethanolamide and the synthetic cannabinoid nabilone in a model of acute inflammation in the rat  

Cannabinoids and multiple sclerosis.  

Cannabinoid rotation in a young woman with chronic cystitis  

Therapeutic potential of cannabinoids in CNS disease.  

Nabilone Could Treat Chorea and Irritability in Huntington’s Disease  
(letter - 2006)  http://neuro.psychiatryonline.org/cgi/content/short/18/4/553?rss=1
Nabilone significantly reduces spasticity-related pain

http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=200

The synthetic cannabinoid nabilone improves pain and symptom management in cancer patients

http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=177

Synthetic cannabinomimetic nabilone on patients with chronic pain

http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=197

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The synthetic cannabinoid nabilone improves pain and symptom management in cancer patients

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Nabilone improves pain and symptom management in cancer patients

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Synthetic cannabinomimetic nabilone on patients with chronic pain

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Cesamet (nabilone, Valeant Pharmaceuticals)

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**NAIL-PATELLA SYNDROME**

Nail Patella Syndrome-Cannabinoids Relieve Symptoms (news – no date)
http://medicalmarijuana.com/medical-marijuana-treatments/NPS


'Trying to ease my suffering’ (news – 2008)

**NAUSEA** - also see MORNING SICKNESS, MOTION SICKNESS, RADIATION-INDUCED NAUSEA


Delta-9-tetrahydrocannabinol (THC) as an antiemetic in patients treated with cancer chemotherapy; a double-blind cross-over trial against placebo (abst - 1979)
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Amelioration of cancer chemotherapy-induced nausea and vomiting by delta-9-tetrahydrocannabinol. (abst - 1979)
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Nabilone: an alternative antiemetic for cancer chemotherapy.  (abst - 1986)
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Crossover comparison of the antiemetic efficacy of nabilone and alizapride in patients with nonseminomatous testicular cancer receiving cisplatin therapy.  (abst - 1986)
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Antiemetic efficacy of smoked marijuana: subjective and behavioral effects on nausea induced by syrup of ipecac  (abst - 2001)


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

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### NEURONS/ BRAIN CELLS


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Anandamide amidohydrolase activity in rat brain microsomes. Identification and partial characterization.  (full – 1995) [http://www.jbc.org/content/270/11/6030.long](http://www.jbc.org/content/270/11/6030.long)


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Potent Effects of a Selective Cannabinoid Receptor Agonist on Some Guinea Pig Medial Vestibular Nucleus Neurons. (abst – 1998)  


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Beta-caryophyllene is a dietary cannabinoid  (full - 2008)  

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

Endocannabinoids and nutrition.  (full – 2008)  

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


**NUTRITION – HEMP SEED**

Hemp Protein = King of the Plant Kingdom  (article - no date)  http://manitobaharvest.com/articles_studies/3804/Hemp-Protein-%3D-King-of-the-Plant-Kingdom.html


Hemp Foods & Oils Primer  (article - no date)  http://manitobaharvest.com/articles_studies/3803/Hemp-Foods-%26-Oils-Primer.html


Cannabis Sativa Seed Pressings  (ad - no date)  http://www.med-marijuana.com/index.htm


Hempseed: Nature’s Perfect Food? (news - 1992)  
http://www.marijuanalibrary.org/HT_Hempseed_0492.html

Marijuana-positive urine test results from consumption of hemp seeds in food products. (abst – 1997)  

Hemp Foods and THC Levels: A Scientific Assessment 1 (full - 1999)  
http://www.hempfood.com/thclimits1.html

Hemp Foods and THC Levels: A Scientific Assessment 2 (full - 1999)  
http://www.hempfood.com/thclimits2a.html

Hemp and Health (book excerpt - 1999)  
http://www.rexresearch.com/hhusb/hmphlth.htm#hhl3

A history of the Royal Grain (news - 1999)  
http://www.cannabisculture.com/v2/articles/1425.html

Evaluating the impact of hemp food consumption on workplace drug tests. (abst – 2001)  

Nutritional Profile and Benefits of Hemp Seed, Nut, and Oil (full - 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

Δ9-Tetrahydrocannabinol Content of Commercially Available Hemp Products (full - 2008)  

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)  


The cardiac and haemostatic effects of dietary hempseed. (full - 2010) http://www.nutritionandmetabolism.com/content/pdf/1743-7075-7-32.pdf


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


Hemp Seeds are Full of Health (news - 2010) http://www.naturalnews.com/029729_hemp_seeds_health.html

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


NUTRITION – HEMP SEED OIL

King’s College Review of Nutritional Attributes of Cold Pressed Hemp Seed Oil (full – no date)  http://www.goodwebsite.co.uk/kingsreport.pdf

Hemp Foods & Oils Primer  (article - no date)  http://manitobaharvest.com/articles_studies/3803/Hemp-Foods-%26amp%3B-Oils-Primer.html

Hemp Oil vs Flax Oil. Which One is Right for Me?  (article - no date)  http://manitobaharvest.com/articles_studies/3794/Hemp-Oil-vs-Flax-Oil.-Which-One-is-Right-for-Me%3F.html


Hemp & GLA: Good Fat Burns Bad Fat  (article - no date)  http://manitobaharvest.com/articles_studies/3813/Hemp-%26amp%3B-GLA%3A-Good-Fat-Burns-Bad-Fat-.html

Uses for Hemp Oil  (article – no date)  http://www.ehow.com/about_5340254_uses-hemp-oil.html

Hemp Seed Oil - Your source for essential fat  (article - no date)  http://manitobaharvest.com/articles_studies/3810/Hemp-Seed-Oil---Your-source-for-essential-fat.html

Hemp: The Right Choice for Omega-6  (article - no date)  http://manitobaharvest.com/articles_studies/3814/Hemp-%3A-The-Right-Choice-for-Omega-6-.html

Hemp Oil Vs. Flax Oil  (article – no date)  http://www.ehow.com/facts_5949889_hemp-oil-vs_-flax-oil.html

Cannabis Sativa Seed Pressings  (ad - no date)  http://www.med-marijuana.com/index.htm

Therapeutic Hemp Oil  (news - 1993)  http://www.ukcia.org/research/TherapeuticHempOil.php


Occurrence of "omega-3" stearidonic acid in hemp seed  (full - 1996)  http://www.hempfood.com/IHA/hta03208.html

Hemp Seed Oil : The Wonder Oil For the New Millennium  (full - 1999)  http://www.ukcia.org/research/Happi/HempSeedOilTheWonderOilForTheNewMillennium.htm


Characteristics of hemp (Cannabis sativa L.) seed oil  (abst – 2002)  http://www.sciencedirect.com/science?_ob=ArticleURL&_uri=B6T6R-44KW0MJ-6&_user=10&_coverDate=01%2F31%2F2002&_alid=1224442428&_rdoc=729&_fmt=high&_orig=search&_cdi=5037&_sort=r&_st=13&_docanchor=&view=c&_ct=14348&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=39826d98860a306a6242e1b6f6d60bd7


Hemp Oil Compared to Flax Oil  (article – 2010)  http://www.ehow.com/facts_7639247_hemp-oil-compared-flax-oil.html


Hemp Oil Vs. Flax Oil  (news – 2011)
http://www.livestrong.com/article/413750-hemp-oil-vs-flax-oil/

What Are the Benefits of Hemp Seed Oil?  (news – 2011)

**O-1602** – synthetic Cannabidiol analog, GPR – 55 agonist


**O-1966** - a synthetic, CB2 agonist


OBESITY

Hemp & GLA: Good Fat Burns Bad Fat  (article - no date)
http://manitobaharvest.com/articles_studies/3813/Hemp-%26-GLA%3A-Good-Fat-Burns-Bad-Fat.html

Effects of smoked marijuana on food intake and body weight of humans living in a residential laboratory.  (abst - 1988)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=117

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.  (full – 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/jo/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


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)  http://jcem.endojournals.org/cgi/content/full/91/8/3171?ijkey=83a68cef202eafe129332eda53ee8eb61349982

Does Cannabis Hold the Key to Treating Cardiometabolic Disease    (full - 2006)  http://www.nature.com/nrcardio/journal/v3/n3/full/ncpcardio0504.html

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

The emerging role of the endocannabinoid system in endocrine regulation and energy balance.    (full - 2006)  http://edrv.endojournals.org/cgi/content/full/27/1/73


Identification of Endocannabinoids and Related Compounds in Human Fat Cells   (full - 2007)   http://www.nature.com/oby/journal/v15/n4/full/oby2007100a.html


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

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects (full – 2008) http://gut.bmj.com/content/57/8/1140.full

Endocannabinoids and the Control of Energy Homeostasis (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2586261/?tool=pmcentrez


Genetic Variations at the Endocannabinoid Type 1 Receptor Gene (CNR1) Are Associated with Obesity Phenotypes in Men (full - 2008) http://jcem.endojournals.org/cgi/content/full/92/6/2382

Endocannabinoid dysregulation in the pancreas and adipose tissue of mice fed with a high-fat diet. (full - 2008) http://www.nature.com/oby/journal/v16/n3/full/oby2007106a.html


Endocannabinoids and the Control of Energy Homeostasis (full – 2008) http://www.jbc.org/content/283/48/33021.full?sid=931583b1-e797-43e0-8296-7fd75bb49403


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)  
http://endo.endojournals.org/cgi/content/full/150/6/2531#top

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 cardiovascular prevention: real progress?  (abst - 2009)  
http://www.pagepress.org/journals/index.php/hi/article/view/1162


Endogenous cannabinoid signalling and energy balance  (abst – 2009)  
http://gradworks.umi.com/NR/44/NR44386.html

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-afaa05ee417c

The endocannabinoid system links gut microbiota to adipogenesis  (full - 2010)  
http://www.nature.com/msb/journal/v6/n1/full/msb201046.html
The Effects of Rimonabant on Brown Adipose Tissue in Rat: Implications for Energy Expenditure  (full - 2010)  http://www.nature.com/oby/journal/v17/n2/full/oby2008509a.html

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.long#sec-25

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  (abst - 2010)  http://www.nature.com/npp/journal/vaop/ncurrent/abs/npp201058a.html

Deficiency of CB2 cannabinoid receptor in mice improves insulin sensitivity but increases food intake and obesity with age.  (abst – 2010)  http://www.springerlink.com/content/g037q1lh40l15161/


Cannabis Use and Obesity and Young Adults  (abst - 2010)  http://informahealthcare.com/doi/abs/10.3109/00952990.2010.500438

Krill oil significantly decreases 2-arachidonoylglycerol plasma levels in obese subjects.  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3048484/?tool=pubmed


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


### OBSESSIVE COMPULSIVE DISORDER


Improvement in Refractory Obsessive Compulsive Disorder With Dronabinol (letter - 2008)  http://ajp.psychiatryonline.org/cgi/content/full/165/4/536

Science: THC effective in obsessive compulsive disorder according to case reports (news - 2008)  http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=268#2


Plasma and brain pharmacokinetic profile of cannabidiol (CBD), cannabidivarine (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)  http://www.ncbi.nlm.nih.gov/pubmed/21796370
Inhibition of endocannabinoid catabolic enzymes elicits anxiolytic-like effects in the marble burying assay. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/21145341/abstract/Inhibition_of_endocannabinoid_catabolic_enzymes_elicits_anxiolytic_like_effects_in_the_marble_burying_assay

**OMEGA-3/ CB1 CONNECTION** (without Omega 3, new CB1 receptors are made imperfectly)
also see NUTRITION – HEMP SEED OIL, CBR- CB1 receptors

Hemp Packs in Powerful Source of Preconception Nutrition (article - no date)

Omega-3 and Omega-6 Essential fatty Acids (EFA) (infomercial/ad – no date)

Occurrence of "omega-3" stearidonic acid in hemp seed (full - 1996)
http://www.hempfood.com/IHA/iha03208.html


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 fat on endocannabinoids and related mediators: consequences on energy homeostasis, inflammation and mood. (abst – 2010)

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


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


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**ORGAN TRANSPLANTS**

Fatal aspergillosis associated with smoking contaminated marijuana, in a marrow transplant recipient. (full - 1988) http://chestjournal.chestpubs.org/content/94/2/432.long


Endocannabinoids and cannabinoid receptors in ischaemia–reperfusion injury and preconditioning (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219536/?tool=pmcentrez


Do cannabinoids have a therapeutic role in transplantation (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2923447/?tool=pubmed


Targeting cannabinoid receptors as a novel approach in the treatment of graft-versus-host disease: Evidence from an experimental murine model. (full – 2011) http://jpet.aspetjournals.org/content/early/2011/06/14/jpet.111.182717.long


Cancer Patient Taken Off Of Liver Transplant List Because Of Medical Marijuana Use (news – 2011) http://americansforsafeaccess.org/article.php?id=6986

OSTEOPOROSIS/ BONES

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


Prototype drug to prevent osteoporosis based on cannabinoids found in the body (news - 2006)  http://www.news-medical.net/?id=15220


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)  
http://endo.endojournals.org/cgi/content/full/149/11/5619?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=240&resourcetype=HWCIT

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

The influence of cannabinoid CB2 receptor in adult rat mesenchymal stem cell viability  (abst – 2009)  

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

Cannabinoids and the skeleton: From marijuana to reversal of bone loss.  (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19634029/abstract/Cannabinoids_and_the_skeleton:_From_marijuana_to_reversal_of_bone_loss

Activation of CB2 cannabinoid receptors: a novel therapeutic strategy to accelerate osseointegration of dental implants.  (abst - 2009)  

Marijuana/Cannabis may protect against osteoporosis  (news - 2009)  

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 (abst – 2010) http://www.ncbi.nlm.nih.gov/pubmed/20826813

The Type 2 Cannabinoid Receptor Regulates Bone Mass and Ovariectomy-Induced Bone Loss by Affecting Osteoblast Differentiation and Bone Formation (abst – 2011) http://www.unboundmedicine.com/medline/ebm/record/21447627/abstract/The_Type_2_Cannabinoid_Receptor_Regulates_Bone_Mass_and_Ovariectomy_Induced_Bone_Loss_by_Affecting_Osteoblast_Differentiation_and_Bone_Formation


The role of cannabinoid receptors in bone remodeling in a CB1/2 double knockout mouse (abst – 2011) http://www.fasebj.org/cgi/content/abstract/25/1_MeetingAbstracts/492.5?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&sortspec=date&resourcetype=HWCIT


OVERDOSES

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

Collapse after intravenous injection of hashish.  (full - 1968)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1986226/?tool=pmcentrez&page=1


Inadvertent ingestion of marijuana - Los Angeles, California, 2009  (full - 2009)  http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5834a2.htm


Information for Health Care Professionals (revised) - Overdose/Toxicity (Health Canada)  (full - 2010)  http://www.hc-sc.gc.ca/dhp-mps/marihuana/how-comment/medpract/infoprof/index-eng.php#a9_0

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_tertiary_care_center_from_southern_Spain%5D


OVERVIEWS


Cannabinoids: A New Group of Agonists of PPARs  (full – 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2220031/?tool=pubmed


Cannabis and Its Derivatives: Review of Medical Use  (full – 2011) http://www.jabfm.org/cgi/content/full/24/4/452


PAIN

ANTI-EDEMA AND ANALGESIC PROPERTIES OF Δ9-TETRAHYDROCANNABINOL (THC)  
(http://jpet.aspetjournals.org/content/186/3/646.abstract?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=marihuana&searchid=1&FIRSTINDEX=2160&resourcetype=HWCIT)

Analgesic effect of delta-9-tetrahydrocannabinol.  
(http://www.cannabis-med.org/studies/ww_en_db_study_show.php?_id=16)

The analgesic properties of delta-9-tetrahydrocannabinol and codeine.  
(http://www.cannabis-med.org/studies/ww_en_db_study_show.php?_id=17)

Marihuana as a therapeutic agent for muscle spasm or spasticity.  
(http://www.cannabis-med.org/studies/ww_en_db_study_show.php?_id=53)

ANALGESIC AND ANTIINFLAMMATORY ACTIVITY OF CONSTITUENTS OF CANNABIS SATIVA L.  
(http://www.ukcia.org/research/AnalgesicAndAntiInflammatoryActivityofConstituents.html)

The effect of orally and rectally administered delta-9-tetrahydrocannabinol on spasticity: a pilot study with 2 patients.  
(http://www.cannabis-med.org/studies/ww_en_db_study_show.php?_id=12)

The perceived effects of smoked cannabis on patients with multiple sclerosis.  
(www.cannabis-med.org/studies/ww_en_db_study_show.php?_id=13)

Pain relief with oral cannabinoids in familial Mediterranean fever  
(http://www.cannabis-med.org/studies/ww_en_db_study_show.php?_id=18)

Hypoactivity of the Spinal Cannabinoid System Results in NMDA-Dependent Hyperalgesia  
(http://www.jneurosci.org/content/18/1/451.long)

Doped skin  
(http://www.newscientist.com/article/mg15921434.700-doped-skin.html)

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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)  
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Cannabis truly helps multiple sclerosis sufferers  (news - 2004)

Plant cannabinoids: a neglected pharmacological treasure trove.  (full - 2005)
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The psychoactive plant cannabinoid, Delta9-tetrahydrocannabinol, is antagonized by Delta8- and Delta9-tetrahydrocannabivarin in mice in vivo. (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2189766/?tool=pubmed

The multidrug transporter ABCG2 (BCRP) is inhibited by plant-derived cannabinoids. (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190019/?tool=pubmed


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1.0 Chemistry (full - 2009) http://www.hc-sc.gc.ca/dhp-mps/marihuana/how-comment/medpract/infoprof/chemistry-chimie-eng.php#a1_1
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

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


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The plant cannabinoid Delta9-tetrahydrocannabivarin can decrease signs of inflammation and inflammatory pain in mice. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931567/?tool=pubmed

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Scientists Find New Sources of Plant Cannabinoids Other than Medical Marijuana? (news – 2010)

Nature's (Legal) Cannabinoids (news - 2010)
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Prospects for cannabinoid therapies in basal ganglia disorders. (abst – 2011)

Cannabinoids: occurrence and medicinal chemistry. (abst – 2011)
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POISONING - ORGANOPHOSPHATE


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Cannabinoid Receptor Agonist WIN-55,212-2 Protects Differentiated PC12 Cells From Organophosphorus-Induced Apoptosis (abst – 2010)
http://ijt.sagepub.com/content/29/2/201.abstract


POISONING - PARAQUAT

An effect of paraquat on the lungs of rabbits. Its implications in smoking contaminated marihuana. (full - 1978)  http://chestjournal.chestpubs.org/content/74/4/418.long
Paraquat goes to pot.  (full - 1978)  http://chestjournal.chestpubs.org/content/74/4/358.long

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**POST-OPERATIVE PAIN**


Analgesic and adverse effects of an oral cannabis extract (Cannador) for postoperative pain  (abst - 2006) http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=184


Spinal cannabinoid receptor type 2 activation reduces hypersensitivity and spinal cord glial activation after paw incision.  (full - 2007)

Cannabinoid Receptor Agonist Significantly Reduces Post-Operative Pain, Study Says

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

Compound boosts marijuana-like chemical in the body to relieve pain at injury site

**POST TRAUMATIC STRESS DISORDER/ PTSD**

Never fear, cannabinoids are here  (article - 2002)
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The endogenous cannabinoid system controls extinction of aversive memories.

'Natural' cannabis manages memory  (news - 2002)
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Study: Marijuana Eases Traumatic Memories  (news - 2002)

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Endocannabinoids extinguish bad memories in the brain  (news - 2002)
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Marijuana-Like Compound Banishes Fear  (news - 2002)

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Israel to soothe soldiers with marijuana  (news - 2004)
Enhancing Cannabinoid Neurotransmission Augments the Extinction of Conditioned Fear (full - 2005)  
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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=HWCIT

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PTSD and Cannabis: A Clinician Ponders Mechanism of Action (news - 2006)  
http://ccrmg.org/journal/06spr/perspective2.html

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Inhibition of fatty-acid amide hydrolase accelerates acquisition and extinction rates in a spatial memory task. (full – 2007)  

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Medical Marijuana: PTSD Medical Malpractice (news - 2007)  

Cannabis for the Wounded - Another Walter Reed Scandal (news - 2007)  
http://www.libertypost.org/cgi-bin/readart.cgi?ArtNum=179973&Disp=11

Association of the Cannabinoid Receptor Gene (CNR1) With ADHD and Post-Traumatic Stress Disorder (full – 2008)  
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Marijuana Therapy for Veterans with PTSD (article – 2008)  
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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

The use of a synthetic cannabinoid in the management of treatment-resistant nightmares in posttraumatic stress disorder (PTSD). (abst - 2009)  
Cannabinoid receptors in brain: pharmacogenetics, neuropharmacology, neurotoxicology, and potential therapeutic applications  (abst – 2009)  http://pharmgkb.org/pmid/19897083


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**PRADER WILLI SYNDROME**

PREGNANCY/PRENATAL EXPOSURE
also see PERINATAL HYPOXIC-ISCHEMIC INJURY, CHILDREN

Hemp Packs in Powerful Source of Preconception Nutrition (article - no date)

Effects of Alcohol and Cannabis during Labor. (article - 1930) (on page 2)

Nonmutagenic action of cannabinoids in vitro (abst - 1978)
http://content.karger.com/ProdukteDB/produkte.asp?Doi=136789

Teratologic evaluation of synthetic delta 9-tetrahydrocannabinol in rabbits. (abst – 1979)

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Marijuana Use in Pregnancy and Pregnancy Outcome. (abst – 1990)

Prenatal marijuana use and neonatal outcome.  
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Analysis of Facial Shape in Children Gestationally Exposed to Marijuana, Alcohol, and/or Cocaine  
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Prenatal Marijuana Exposure and Neonatal Outcomes in Jamaica : An Ethnographic Study  
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Prenatal tobacco and marijuana use among adolescents: effects on offspring gestational age, growth, and morphology.  
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Mortality Within the First 2 Years in Infants Exposed to Cocaine, Opiate, or Cannabinoid During Gestation  
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Maternal cannabis use and birth weight: a meta-analysis  
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Use of Marijuana During Pregnancy  
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Dr. Melanie Dreher, reefer researcher  
[interview - 1998]
http://www.cannabisculture.com/v2/articles/1404.html

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Prenatal exposure to a cannabinoid receptor agonist does not affect sensorimotor gating in rats  (abst - 2006)  

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http://news.bbc.co.uk/2/hi/health/4631006.stm

Dreher's Jamaican Pregnancy Study  (news - 2006)  
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Cannabis Relieves Morning Sickness  (news - 2006)  
http://ccrmg.org/journal/06spr/dreher.html#morning

The role of the endocannabinoid system in gametogenesis, implantation and early pregnancy  (full - 2007)  
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CB2 receptors in reproduction  (full - 2008)  
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Volumetric MRI Study of Brain in Children With Intrauterine Exposure to Cocaine, Alcohol, Tobacco, and Marijuana  (full - 2008)  

Loss of Cannabinoid Receptor CB1 Induces Preterm Birth  (full - 2008)  
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Medical marijuana: a surprising solution to severe morning sickness  (news - 2008)  

Maternal tobacco, cannabis and alcohol use during pregnancy and risk of adolescent psychotic symptoms in offspring.  (full - 2009)  
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Cannabinoid/Endocannabinoid signaling impact on early pregnancy events.  (abst - 2009)  

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Maternal Marijuana use not Associated with Psychotic Symptoms, but Alcohol is  (news - 2009)  

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Characteristics of pregnant illicit drug users and associations between cannabis use and perinatal outcome in a population-based study   (abst - 2010)

Pregnant Women Smoking Pot Could Reduce Infant Mortality   (news - 2010)
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Pregnant women turning to cannabis for morning sickness relief risk prosecution (news - 2010)
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Scientific Opinion on the safety of hemp (Cannabis genus) for use as animal feed (full – 2011) (deceptive title)

Sex difference in cell proliferation in developing rat amygdala mediated by endocannabinoids has implications for social behavior   (full – 2011)
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Medical Marijuana: Can Pot Help Pregnant Women With Vomiting and Nausea? (article – 2011)


**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 - 2007)

Cannabinoid 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)
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PROXIMAL MYOTONIC MYOPATHY / PROMM


PRURITIS - chronic itch


Treatment of the Pruritus of Cholestasis. (abst – 2004)  

Efficacy and tolerance of the cream containing structured physiological lipids with endocannabinoids in the treatment of uremic pruritus: a preliminary study. (abst - 2005)  

Rational symptomatic therapy for chronic pruritus  (abst – 2005)  

Old drugs in new role: relieving chronic pruritus; Cannabinoid agonists, opioid receptor antagonists have attracted the attention of dermatologists  (news - 2005)  
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Neurophysiological, Neuroimmunological, and Neuroendocrine Basis of Pruritus (full - 2006)  
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Frontiers in pruritus research: scratching the brain for more effective itch therapy (full – 2006)  

Topical cannabinoid agonists : An effective new possibility for treating chronic pruritus. (abst - 2006)  


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)  
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Cannabis: Potential treatment for skin disorders?  (news - 2009)  

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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)  

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The Endocannabinoid System in Human Keratinocytes  (full – 2003)  
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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

Cannabinoids inhibit human keratinocyte proliferation through a non-CB1/CB2 mechanism and have a potential therapeutic value in the treatment of psoriasis  (abst - 2007)  http://www.ncbi.nlm.nih.gov/pubmed/17157480

Marijuana Skin Cream?  (news - 2007)  
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The endocannabinoid system of the skin in health and disease: novel perspectives and therapeutic opportunities  (full - 2009)  
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**QUITTING CANNABIS** - also see ADDICTION and WITHDRAWAL

An Abstinence Syndrome Following Chronic Administration of Delta-9-terahydrocannabinol in Rhesus Monkeys. (abst – 1980)  

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Psychotropic Analgesic Nitrous Oxide Prevents Craving After Withdrawal for Alcohol, Cannabis and Tobacco. (abst – 1994)  

Tobacco and Cannabis Smoking Cessation Can Lead to Intoxication with Clozapine or Olanzapine. (abst – 2002)  
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The Time Course and Significance of Cannabis Withdrawal. (abst – 2003)  

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Aerobic Exercise Training Reduces Cannabis Craving and Use in Non-Treatment Seeking Cannabis-Dependent Adults (full – 2011)  
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Exercise can reduce cannabis use in persons who don't want to stop (news – 2011)  
QUITTING OTHER DRUGS

The Use of Indian Hemp in the Treatment of Chronic Chloral and Chronic Opium Poisoning (1889) http://www.onlinenpot.org/medical/Dr_Tods_PDFs/s3_2.pdf


Therapeutic use of cannabis by crack addicts in Brazil. (full - 1999) http://science.jowammedicalmarijuana.org/pdfs/addiction/Labigalini%20Therapeutic%20Cannabis%20Crack%20Brazil%20J%20Psychoact%20Drugs%201999.pdf


Cannabinoids vs. Cocaine (news - 2001) http://findarticles.com/p/articles/mi_hb4365/is_22_34/ai_n28879983/?tag=content:col1

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Cannabis as a Substitute for Alcohol (news - 2003)  
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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)  
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Role of cannabinoid receptors in alcohol abuse (news - 2005)  
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Subchronic cannabinoid agonist (WIN 55,212-2) treatment during cocaine abstinence alters subsequent cocaine seeking behavior. (full - 2007)  
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**TAK-875**


**TAK-937**  synthetic CB1 & CB2 agonist


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**URB - 597 / KDS-4103** slows cannabinoid destruction

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**YOUNG ADULTS** - see CHILDREN/ YOUNG ADULTS
A few definitions to help you along-

**Agonist** – a chemical that activates a receptor

**Analogue** – a synthetic version

**Anandamide** - A “messenger chemical” made by your body – similar to THC

**Angiogenesis** - making new blood vessels, often to feed a tumor

**Antagonist** – a chemical that blocks the action of an agonist

**Anti-nociception** - pain relieving

**Anxiolytic** – calming, anti-anxiety

**Apoptosis** - a process that leads to the normally programmed death of a cell.

**Autophagy** – the cell self-destructs

**Beta amyloid plaque / β-amyloid/ Aβ** – the stuff that gums up your brain in Alzheimer’s

**Bronchodilator** – opens up the lungs

**Cannabinoids** – they activate CB receptors and come from your body, cannabis or labs.

**Chronic** – long term

**Downregulation** – a decrease in number

**Endocannabinoid** – a chemical messenger made by your body- anandamide and 2-AG

**Endocannabinoid System** – a system of chemical receptors on and between your cells

**Endogenous** – made in your own body

**Epidermal** – pertaining to the skin

**Hyperalgesia** – severe pain

**In vivo** – in a live animal

**In vitro** – in a test tube

**Ischemia** – damage from lack of blood to an area

**Ligand** - a chemical that binds to a receptor. THC is a ligand of CB1 and CB2 receptors

**Metastasis** – spreading through the body

**Neurogenesis** – new brain cells are being formed

**Neuropathic Pain** – pain due to nerve injury

**Neuroprotective** – protects nerves and brain cells

**Nonpsychoactive** – won’t get you high

**Phytocannabinoid** – a cannabinoid produced by a plant – THC and CBD are examples

**Receptors** - These receive the chemical messages and send them into our cells.

**Upregulation** – increase in number

**Vasodilator** – expands the blood vessels
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Introduction - July 2011 - This year’s message to all of you is a little different. I am going to be explaining a major scientific discovery - the Omega-3 / CB1 connection, and how it affects your healing with cannabis! But to understand fully this discovery, we need to revisit Biology 101.

Every cell in your body has tiny chemical receptors all over the cell’s “skin” or cell membrane. These receptors work kind of like an ignition switch- you put the right type of chemical “key” into a receptor and it “turns on” some kind of action. The type 1 cannabinoid receptors (CB1s) are the ones we are interested in looking at. They are found both in the body and the brain.

“Turning on” a CB1 receptor with either an endocannabinoid that your body makes, or a phytocannabinoid like THC, can result in many different things occurring. A cancer cell may be “told” to die through a process called apoptosis, it may activate a basic instinct such as nursing, soothe an irritated digestive tract, or simply ease your pain. The CB1 receptors in your brain are the ones to blame, or praise, for the cannabis “high”.

Every time a cell divides, whether it is a brain cell, or a body cell, it needs to make new “skin” to grow back to its full size, and that involves making a whole bunch of new receptors.

And this is where the cutting-edge science starts-- to make functional CB1 receptors, you absolutely need Omega-3! In “Nutritional omega-3 deficiency abolishes endocannabinoid-mediated neuronal functions”, the Omega-6-rich “western diet” is implicated in our declining mental and physical health. The “ideal” proportion of Omega-6 to Omega-3 is around 3 to 4 parts Omega-6 to every 1 part Omega-3. Our “western diet” can deliver up to a 50 to 1 ratio!

When no Omega-3 is available, our bodies will “jury-rig” a new receptor with an Omega-6 where there should be an Omega-3. This results in a small, but important chunk, the Gi/o effector protein, not getting attached. As with a machine, the pieces need to be assembled right to work!

A drop in the number of working CB1 receptors is an early clinical sign in Parkinson’s, colon cancer, Huntington’s, and heralds a high risk for premature birth. Mice bred to be low in CB1 receptors have more severe heart attacks and strokes. Cancers ravage them. They age and become senile earlier than normal mice. They are used to study neurological conditions and bowel disorders. They often seem depressed. They sound a lot like many modern Americans.

The three most common sources of Omega-3 are fish oil, flax seed oil and hemp seed oil.

Cannabis is an effective and safe herbal medicine, but we need functioning CB1 receptors for it to work its miracles. Virtually every person needs more Omega-3 in their diet, but none as much as the medical users of cannabis! Cannabis heals us using our cannabinoid receptors, and also provides the Omega-3 that we need to make healthy CB receptors, so we can heal. And that is the simple, but scientific truth.

If the truth won’t do, then something is wrong!
Introduction - July 2010 - This is my third year of sharing "Granny's list" with all of you. Last year, I told you "How this list came about." This year, it's "Why you should be sharing my list!"

From 60 pages, a symbolic celebration of my then 60 years on Earth, my list has grown to an equally symbolic 420 pages of links, in hopeful anticipation of the dawning of medical freedom in other states.

My "Granny's list" contains 100s of studies about cannabis and how can heal- all done in an environment of "strong discouragement" on the part of the US government. How large my collection would be if research into this healing herb had been unrestricted? What would we know if we could have researched during those 70-odd years of prohibition?

As a medicine, cannabis is potentially invaluable- this collection is ample proof of that! From stopping hiccups, to halting breast cancer's terrible spread, cannabis works! But there are still too many "may"s and "might"s when it comes to cannabis. We need more research, which will not, and cannot, happen until cannabis is legalized and rescheduled.

When I began using cannabis medically over 40 years ago, there was no such thing as "medical use"- not even the concept existed! Education has made the difference. Somewhere along the line, every one of the people who have voted to legalize medical use in their state, learned that cannabis was an effective medicine, perhaps from a relative's use, or from a program they saw, or a study they read. They learned the truth.

In a Canadian survey of doctors, a majority admitted that most of what they knew about cannabis came from their patients! They had learned only the "government line" in medical school. That was in Canada, where medical use is federally legal! So how much does your doctor really know about cannabis? My list gives you a way to educate him.

And you shouldn't stop with your doctor. Local city councilmen and commissioners have the power to ban dispensaries through local ordinances. It is easier to educate them before it's an issue. They need the medical facts about cannabis to make logical decisions!

We all know someone who has diabetes, fibro, cancer or MS. They shouldn't have to suffer, physically, financially, or legally, for using a safer-than-aspirin herbal medicine. One they could easily grow if sane cannabis laws were in place. Home-grown cannabis is cheaper and works faster than any pill and the side effects are far more pleasant.

Cannabis, with its remarkable safety record, should be the first medicine tried, not be the medicine of last resort! It is only by educating others, that we can bring cannabis back into mainstream medicine where it belongs. Please share the facts about cannabis with those around you, and back them up with medical studies from my list.

The simple truth is "Cannabis heals". And as my wise old grandfather once said, "If the truth won't do, then something is wrong!"
"If the truth won't do, then something is wrong!"

Those were the furious words of my grandfather to my Mother. I had walked in from joyfully stuffing my face with red raspberries in the garden, straight into "war zone"! My gentle grandfather in a fury, his hand raised! Mom was just beginning to shrink back away from him. They saw me and quickly sent me away. But it was too late, the scene and the words were seared into my 5-year-old brain. That was over 55 years ago, but I still remember it clearly. My grandfather was a minister, one very short step away from God in my 5 year old mind. It was one of those life changing moments. It is still rare for me to tell a lie. I never found out what my Mother's lie was.

As I child, I suffered a traumatic head injury. Another child tried to murder me with a hammer. I was left with frequent migraines. At 19, like many rebellious teens, I tried cannabis. It took about a year for me to make the connection between using cannabis and the absence of my normally frequent migraines. I have used cannabis ever since.

I am an avid reader. While perusing an old book on herbal medicine, I read how the little old ladies of Mexico made and used a cannabis/tequila rub on their arthritic hands. Then I met Joey, an epileptic musician. He told me another interesting fact- when he had pot he could cut his medication in half! On a camping trip years later, I smelled an unmistakable odor. Following my nose, I was totally shocked to find a grandmotherly lady in her 70s puffing away on a delicate oriental pipe. "Parkinson's. And the pot's way cheaper than the pills!" Her nephew kept her well supplied, she said. We had a nice chat about various medical uses of cannabis.

Epilepsy, Parkinson's, arthritis, and my migraines! What else was it good for? Yet every news article on cannabis that I saw, claimed one new horror after another. Men grew breasts and were impotent. Women became sterile or miscarried. It made you crazy and murderous. Made you lazy and do nothing. It caused cancer and heart attacks...What I had learned on my own and from others and what I was being told in the press were so different!

What was the truth? I began researching. I printed the first studies up and kept them in a notebook, just as a personal reference. The notebook quickly filled. I started a Word file of the URLs and on July 30 2007, I posted it. It continues to grow.

Here's some of what I have found. All I've done is copy the URLs, then put them all in some semblance order for everyone to use as a reference. Please feel free to share this list with anyone who could benefit from it.
July 30, 2007

It’s my 60th birthday! That’s a pretty big milestone. I’ve out-lived my beautiful, crazy mother (59 years 11 months) and I’ve been married and toking for 40 years. So, since 60 rolls around only once, I decided to give you a gift! I though I’d share my notebook with you. It is a compilation of medical studies, news articles and information on cannabis.

In addition to the obvious use of people who are ill getting information on what might heal them, I hope that many of you will take up a challenge from me. I want this spread around- to your doctor, your politicians, ministers, and anyone who could use the info.

Information does no good if it is hoarded. If you know someone who is ill, copy and paste the part they need, or print up the article, and mail it to them (anonymously, might be a good idea in a lot of cases). Also, send a page or three of a print out of the titles and URLs and a typed message (again anonymously) leading to this post to your doctor. Something simple, like “Want to know more? Visit here!” and give the URL.

I’m hoping that in return for the hours I spent collecting this, you will give me a present in return- mailing this out and telling others. By spreading knowledge to help others, you give them power over their own lives! Knowledge is power! And the truth will set us free (to smoke our pot in peace!) - Storm Crow