Granny Storm Crow's List - July 2014

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

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

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

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

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

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

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

* Critical appraisal of the potential use of cannabinoids in cancer management. (link to PDF – 2013)
And as an afterthought, a few suggestions for dealing with the List and a request -

Find a free “PDF to WORD” program and change the List to a WORD document. Then click the “Find” function and a very helpful navigation index should pop up. Just click the cursor on the section you want and you go there. Having the List in WORD enables you to modify it to suit your needs, new studies, rearrange things, or add comments, etc. I have no problem with this as long as it is for your home copy only.

Try reading the news articles first, then move on to the studies.

Print up a copy of the Mini-dictionary to have handy while reading the studies.

When reading studies, always have a second window open to plug in those “weird words”. Usually you won’t even need to open a link- the definition is often visible in the excerpts that are shown. **Write down the definition** on a 3 x 5 card, or go to your Mini-dictionary add it there.

As studies age, they are often freed up for public use. I will often find a new abstract at PubMed (“ncbi” in the URL), but during the time between my collecting the abstract, and your clicking the link, they sometimes will make the study “open access”. My link will take you to just the abstract, but up in the right corner will sometimes be a link to the free full study either at PubMed, or another site. **Always check for the full study**! Also, don’t be afraid of going to PubMed- they don’t bite, and the site is free, simple and user-friendly.

Older studies often have the basic information on cannabis that many people will find helpful, and they are usually easier to read! Don’t pass them up just because they are not the latest!

Remember that studying the endocannabinoid system (ECS) is brand-new science. There are bound to be contradicting studies, and studies with mixed results! Scientists or “just regular folks”, **all** of us are figuring out and learning about the ECS as we go along!

I encourage you to forward the List to your friends. Knowledge unshared, is knowledge wasted! I’ve given my List to you for free and hope you will share it freely in return.

My List is always available by emailing- stormcrow(a in a circle)greenpassion.org

You are most welcome to post up the List (or its complete sections), **unmodified**, at your blog, or website or forum. If you want to “pretty it up”, please contact me first.

Please do NOT post up or share a modified copy of my List! The List is “my baby” and I wish to keep it that way! I’m the one who has spent 1000s of hours creating this database, and I feel that there should only be my versions (or ones I have approved) of the List available online.

And one last note- I want to thank “Deb T.” and “Anne M.” for all the help they have given me over the years with dealing this “monster” of mine! Hugs to you both!

Granny
Granny Storm Crow's List - July 2014

CONDITIONS and RELATED ARTICLES
* = older studies in Pre-2000 List.

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

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

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


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

The local antinociceptive effects of paracetamol in neuropathic pain are mediated by cannabinoid receptors (abst – 2007)

The acetaminophen-derived bioactive N-acylphenolamine AM404 inhibits NFAT by targeting nuclear regulatory events. (abst – 2007)

Pro-drugs for indirect cannabinoids as therapeutic agents. (abst – 2008)

Endocannabinoid and serotonergic systems are needed for acetaminophen-induced analgesia. (abst – 2008)
http://www.ncbi.nlm.nih.gov/pubmed/18485596?dopt=Abstract&holding=f1000,f1000m,isrctn

Endocannabinoids mediate anxiolytic-like effect of acetaminophen via CB1 receptors.


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

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


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


**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](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3169627/?tool=pubmed)

**ACNE**

Cannabis (Marijuana) Being Looked at For Acne Clearing Properties  
(news – 2007)  

Endocannabinoids enhance lipid synthesis and apoptosis of human sebocytes via cannabinoid receptor-2-mediated signaling.  
(full – 2008)  
[http://www.fasebj.org/content/22/10/3685.long](http://www.fasebj.org/content/22/10/3685.long)

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

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

Hemp Seed Oil Benefits  
(news – 2009)  

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

Endocannabinoid signaling and epidermal differentiation.  
(abst – 2011)  

Cannabidiol exerts sebostatic and antiinflammatory effects on human sebocytes.  
(full – 2014)  
[http://www.jci.org/articles/view/64628](http://www.jci.org/articles/view/64628)

**ACUPUNCTURE/ ELECTROACUPUNCTURE**
Processing cardiovascular information in the vIPAG during electroacupuncture in rats: roles of endocannabinoids and GABA  (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2692771/#po=4.54545

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

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

Involvement of ERK 1/2 activation in electroacupuncture pretreatment via cannabinoid CB1 receptor in rats.  (abst – 2010)  

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

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

Electroacupuncture reduces the expression of proinflammatory cytokines in inflamed skin tissues through activation of cannabinoid CB2 receptors.  (abst – 2011)  

Effects of repeated electroacupuncture on gene expression of cannabinoid receptor-1 and dopamine 1 receptor in nucleus accumbens–caudate nucleus region in inflammatory-pain rats  (abst – 2011)  

Electroacupuncture inhibits CB1 upregulation induced by ethanol withdrawal in mice.  (abst – 2012)  

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

Electroacupuncture inhibition of hyperalgesia in rats with adjuvant arthritis: involvement of cannabinoid receptor 1 and dopamine receptor subtypes in striatum.  (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3677619/

On the g-protein-coupled receptor heteromers and their allosteric receptor-receptor interactions in the central nervous system: focus on their role in pain modulation.  (full – 2013)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3730365/

CB1 and CB2 contribute to antinociceptive and anti-inflammatory effects of electroacupuncture on experimental arthritis of the rat temporomandibular joint.  (abst – 2013)  
Activation of STAT3 is involved in neuroprotection by electroacupuncture pretreatment via cannabinoid CB1 receptors in rats. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23880371


**ADD/ ADHD** *


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


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


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

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

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

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

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

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

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

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

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

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

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

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

Dr. Jean Talleyrand Says Marijuana Safer than Ritalin for ADHD Teens  (news – 2010)  

Science: Cannabis effective in the treatment of TOURETTE Syndrome and attention deficit hyperactivity disorder (ADHD)  (news – 2010)  

Medical Marijuana is Entering the Classroom  (news – 2010)  
Loss of striatal cannabinoid CB1 receptor function in attention-deficit/hyperactivity disorder mice with point-mutation of the dopamine transporter. (abst – 2011) 

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

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

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

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


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

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

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

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

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

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

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

Which drugs are the most addictive? (chart – undated)  
http://www.druglibrary.org/schaffer/Library/basicfax5.htm

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

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


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

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2943839/

Human cannabinoid receptor 1: 5' exons, candidate regulatory regions, polymorphisms, haplotypes and association with polysubstance abuse.  (full – 2004)  
http://www.nature.com/mp/journal/v9/n10/full/4001560a.html


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/

Teen Drug Use Has Changed Little Since 1970s : Genetics, environment, nature of drug determine number of new users who become dependent.  (news – 2005)  


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

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

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

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

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

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

When Your Kid Smokes Pot  (news – 2008)  

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

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

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

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

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

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

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

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

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

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

Sorry, Sgt. Friday, Pot Smoking Might Not Lead to Hard Drugs  (news – 2010)

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

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


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

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

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

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

The Interplay between Parental Monitoring and the Dopamine D4 Receptor Gene in Adolescent Cannabis Use  (full – 2012)

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


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

Further evidence for association of polymorphisms in the CNR1 gene with cocaine addiction: confirmation in an independent sample and meta-analysis (full – 2013)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3223560/

Inhibition of FAAH and activation of PPAR: New approaches to the treatment of cognitive dysfunction and drug addiction. (full – 2013)
Probability and predictors of transition from abuse to dependence on alcohol, cannabis, and cocaine: results from the national epidemiologic survey on alcohol and related conditions. (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3755735/


Reducing cannabinoid abuse and preventing relapse by enhancing endogenous brain levels of kynurenic acid. (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3835353/


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


Prolonged monoacylglycerol lipase blockade causes equivalent CB1-receptor mediated adaptations in FAAH wild type and knockout mice. (full – 2014) [http://jpet.aspetjournals.org/content/early/2014/05/21/jpet.114.212753.long](http://jpet.aspetjournals.org/content/early/2014/05/21/jpet.114.212753.long)
Pregnenolone can protect the brain from cannabis intoxication.  (full – 2014)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4057431/

Potential Role of N-Acetylcysteine in the Management of Substance Use Disorders.  
(full – 2014)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4009342/

Systematic review of N-acetylcysteine in the treatment of addictions.  (full – 2014)  


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


Cannabis as a substitute for alcohol and other drugs: A dispensary-based survey of substitution effect in Canadian medical cannabis patients  (abst – 2014)  

Strain differences in the expression of endocannabinoid genes and in cannabinoid receptor binding in the brain of Lewis and Fischer 344 rats.  (abst – 2014)  

Changes in cigarette and alcohol use during cannabis abstinence.  (abst – 2014)  

Mutation of Putative GRK Phosphorylation Sites in the Cannabinoid Receptor 1 (CB1R) Confers Resistance to Cannabinoid Tolerance and Hypersensitivity to Cannabinoids in Mice.  (abst – 2014)  

Cannabis withdrawal in chronic, frequent cannabis smokers during sustained abstinence within a closed residential environment.  (abst – 2014)  

Cannabis Withdrawal in Patients With and Without Opioid Dependence.  (abst – 2014)  
Cannabidiol: Pharmacology and potential therapeutic role in epilepsy and other neuropsychiatric disorders. (abst – 2014)  

The CB1 Receptor as an Important Mediator of Hedonic Reward Processing (abst – 2014)  

The FAAH inhibitor PF-04457845 has THC-like rewarding and reinstatement effects in squirrel monkeys and increases dopamine levels in the nucleus accumbens shell in rats (abst – 2014)  
http://www.fasebj.org/content/28/1_Supplement/838.6.abstract?sid=db987fd0-3ef0-4796-aff6-4103f0c84daf

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

Muting Marijuana’s High: Pot Without the Impairment (news – 2014)  
http://healthland.time.com/2014/01/03/muting-marijuan's-high-pot-without-the-impairment/

Marijuana Is Less Addictive Than Chocolate (news - 2014)  
http://business-news.thestreet.com/philly/story/marijuana-less-addictive-chocolate/1

Surveys yet to link medical marijuana and teen drug abuse (news - 2014)  

Legalizing Medical Marijuana Doesn't Lead To More Teens Smoking Pot: Study (news – 2014)  
http://www.huffingtonpost.com/2014/04/25/medical-marijuana-teens_n_5214875.html

ADOLESCENTS/ YOUNG ADULTS

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

Patterns of use, cannabis beliefs and dependence: study of 159 adolescent users (abst – 2002)  

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

Aetiology - Review: current evidence does not show a strong causal relation between the use of cannabis in young people and psychosocial harm (full - 2004) http://ebmh.bmj.com/content/7/4/119.long


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


Moderate cannabis use not harmful to the brain of adolescents, MRI study finds (news - 2006) http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=218#3

Cannabis is a First-Line Treatment for Childhood Mental Disorders (news - 2006) http://www.counterpunch.org/2006/07/08/cannabis-is-a-first-line-treatment-for-childhood-mental-disorders/

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


Teens who use only cannabis appear to function better than those who also use tobacco (news - 2007)  http://www.news-medical.net/news/2007/11/06/32262.aspx


Swiss Study Finds Marijuana Use Alone May Benefit Some Teens (news - 2007)  http://www.foxnews.com/story/0,2933,308258,00.html

Are Cigarettes More of a Drag on Teens than Marijuana? (news - 2007)  http://www.scientificamerican.com/article.cfm?id=are-cigarettes-more-of-a


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


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


Cannabis and tobacco use: where are the boundaries? A qualitative study on cannabis consumption modes among adolescents. (full - 2009)  http://her.oxfordjournals.org/content/25/1/74.long


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


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


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

Uni-Morbid and Co-Occurring Marijuana and Tobacco Use: Examination of Concurrent Associations with Negative Mood States  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2861285/?tool=pubmed

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

Influence of cannabis use trajectories, grade repetition and family background on the school-dropout rate at the age of 17 years in France.  (full - 2010)  
http://eurpub.oxfordjournals.org/content/20/2/157.long

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

Adolescent cannabis use increases risk for cocaine-induced paranoia.  (full - 2010)  

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

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

A Life-course Perspective on the "Gateway Hypothesis".  (abst – 2010)  

Medical Marijuana is Entering the Classroom  (news – 2010)  

Dr. Jean Talleyrand Says Marijuana Safer than Ritalin for ADHD Teens  (news – 2010)  

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

Sorry, Sgt. Friday, Pot Smoking Might Not Lead to Hard Drugs  (news – 2010)  

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CB2 receptor activation attenuates microcirculatory dysfunction during cerebral ischemic/reperfusion injury. (full - 2009)  
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Fluctuation in anandamide levels from ovulation to early pregnancy in in-vitro fertilization-embryo transfer women, and its hormonal regulation  (full – 2009)
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Circulating endocannabinoid concentrations during orthostatic stress  (abst – 2009)
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Dietary docosahexaenoic acid supplementation alters select physiological endocannabinoid-system metabolites in brain and plasma  (full – 2010)
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BLOOD PRESSURE *

Endocannabinoids and Vascular Function (full - 2000)
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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=HWT


Cardiovascular Effects of Cannabis (news - 2003) http://www.idmu.co.uk/canncardio.htm

Endocannabinoids Acting at Cannabinoid-1 Receptors Regulate Cardiovascular Function in Hypertension (full - 2004) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2756479/?tool=pmcentrez

Heterogeneity in the mechanisms of vasorelaxation to anandamide in resistance and conduit rat mesenteric arteries (full – 2004) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1574972/
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Influence of Anandamide, the Endogenous Agonist of Cannabinoid Receptors on the Circulatory System  (abst - 2005)  

Further Characterization of the Time-Dependent Vascular Effects of Δ9-Tetrahydrocannabinol  (full - 2006)  
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Marijuana may be Helpful in Lowering Blood Pressure  (news – 2006)  

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Characterization of the vasorelaxant mechanisms of the endocannabinoid anandamide in rat aorta  (full – 2007)  
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Cardiovascular effects of cannabinoids in conscious spontaneously hypertensive rats  (full - 2007)  
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Identification of the vasodilatory endothelial cannabinoid receptor in the human pulmonary artery.  (abst – 2007)  


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Medical Marijuana and Hypertension (news – 2009) https://www.marijuanadoctors.com/content/ailments/view/144?ailment=hypertension

Inhibitor of fatty acid amide hydrolase normalizes cardiovascular function in hypertension without adverse metabolic effects. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3003779/

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Endothelium-dependent mechanisms of the vasodilatory effect of the endocannabinoid, anandamide, in the rat pulmonary artery.  (abst – 2012)  

Cannabinoid receptor activation in the nucleus tractus solitaries produces baroreflex-like responses in the rat.  (full – 2013)  
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Modulation by 17β-estradiol of anandamide vasorelaxation in normotensive and hypertensive rats: a role for TRPV1 but not fatty acid amide hydrolase.  (abst – 2013)  

Mechanism of Central Atypical Cannabinoid Receptor GPR18-Mediated Hypotension in Conscious Rats  (abst – 2013)  
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BONE MARROW


Endocannabinoids Are Expressed in Bone Marrow Stromal Niches and Play a Role in Interactions of Hematopoietic Stem and Progenitor Cells with the Bone Marrow Microenvironment (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2975171/?tool=pubmed

Cannabinoid Receptor 2 Deficiency in Haematopoietic cells Aggravates Early Atherosclerosis in LDL Receptor Deficient Mice (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3109635/?tool=pubmed


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BOWEL DISORDERS * - also see GERD, COLITIS, IBS, CROHN’S

Effects of cannabidiol derivatives on intestinal motility (abst - undated) http://www.docstoc.com/docs/26071658/Effects-of-cannabidiol-derivatives-on-intestinal-motility-

Central and peripheral cannabinoid modulation of gastrointestinal transit in physiological states or during the diarrhoea induced by croton oil (full - 2000) http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=1572019&tool=pmcentrez


Inhibition of small intestinal secretion by cannabinoids is CB1 receptor-mediated in rats
Cannabinoid CB1-mediated inhibition of stress-induced gastric ulcers in rats

Cannabinoid CB1-receptor mediated regulation of gastrointestinal motility in mice in a model of intestinal inflammation
( full - 2001) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1572987/?tool=pmcentrez

Cannabinoids and the gastrointestinal tract
( full - 2001) http://gut.bmj.com/content/48/6/859.full

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Endocannabinoids as physiological regulators of colonic propulsion in mice.

Cannabinoid receptor type 1 modulates excitatory and inhibitory neurotransmission in mouse colon
( full – 2003) http://ajpgi.physiology.org/content/286/1/G110.full?sid=fc6948f0-78cf-405c-981b-afaa05ee417c

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Cannabinoids for gastrointestinal diseases: potential therapeutic applications

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( full - 2004) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2516444/?tool=pmcentrez
Effects of cannabinoid receptor-2 activation on accelerated gastrointestinal transit in lipopolysaccharide-treated rats (full - 2004)  
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Fibromyalgia, IBS, and the Endocannabinoid-CB-Receptor (ECBR) system (abst - 2004)  
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Cannabinoids spell relief in colon inflammation (news – 2004)  

The effects of Δ9-tetrahydrocannabinol in rat mesenteric vasculature, and its interactions with the endocannabinoid anandamide (full - 2005)  
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Effects of cannabinoids on colonic muscle contractility and tension in guinea pigs. (full – 2005)  
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Differential Expression of Cannabinoid Receptors in the Human Colon: Cannabinoids Promote Epithelial Wound Healing (full - 2005)  
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Cannabis drugs may benefit those with bowel disease (news - 2005)  

Cannabis may soothe inflamed bowels (news - 2005)  

Bowel Study Backs Cannabis Drugs (news - 2005)  
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Cannabis-Based Drugs Could Aid in Treating Bowel Disease (news - 2005)  
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Neural contractions in colonic strips from patients with diverticular disease: role of endocannabinoids and substance P (full – 2006)  
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Neural contractions in colonic strips from patients with diverticular disease: role of endocannabinoids and substance P (full – 2006)  
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Cannabinoids promote survival of normal human colonic epithelial cells  (abst #334 - 2006)  
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Effect of a cannabinoid agonist on gastrointestinal transit and postprandial satiation in healthy human subjects: a randomized, placebo-controlled study  (abst - 2006)  

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

Science: Cannabinoids reduce inflammation of the bowel in animal model  (news - 2006)  
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ACG: Cannabinoid Activator Mellows Out Colon  (news - 2006)  
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Cannabis Helps Ulcers And Crohn's Disease  (news - 2006)  

Cannabis Drugs "May control Symptoms of Gut Disease”  (news - 2006)  

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Increased endocannabinoid levels reduce the development of precancerous lesions in the mouse colon.  (full – 2007)  
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The endogenous cannabinoid system: a new player in the brain-gut-adipose axis  (full - 2007)  
Effects of a cannabinoid receptor agonist on colonic motor and sensory functions in humans: a randomized, placebo-controlled study  (full - 2007)  
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Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects  (abst - 2008)  http://gut.bmj.com/content/57/8/1140.abstract


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Cannabinoid-1 (CB1) receptors regulate colonic propulsion by acting at motor neurons within the ascending motor pathways in mouse colon  (full - 2009)  http://ajpgi.physiology.org/cgi/content/full/296/1/G119?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&resourcetype=HWCIT

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CANCER – LEUKEMIA *

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Cannabinoid receptor-mediated growth inhibition and cell death in mantle cell lymphoma

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Affinity comparison of different THCA synthase to CBGA using modeling computational approaches (full – 2014) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3916817/
Metals and organic compounds in the biosynthesis of cannabinoids: a chemometric approach to the analysis of Cannabis sativa samples. (abst – 2014)

A PCR marker Linked to a THCA synthase Polymorphism is a Reliable Tool to Discriminate Potentially THC-Rich Plants of Cannabis sativa L. (abst – 2014)

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Targeted mutation of Δ12 and Δ15 desaturase genes in hemp produce major alterations in seed fatty acid composition including a high oleic hemp oil. (abst – 2014)

Cannabinoid-free Cannabis sativa L. grown in the Po valley: evaluation of fatty acid profile, antioxidant capacity and metabolic content. (abst – 2014)

Scientists Make Breakthrough In Genetic Screening For Cannabis (news – 2014)
http://www.leafscience.com/2014/03/06/scientists-make-breakthrough-genetic-screening-cannabis/

Monsanto plans to patent genetically modified marijuana in Uruguay (news – 2014)
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**CHEMOTHERAPY** *

Therapeutic Aspects of Cannabis and Cannabinoids (full - 2001)

Effects of smoked cannabis and oral d9-tetrahydrocannabinol on nausea and emesis after cancer chemotherapy (full – 2001)

Cannabinoids for control of chemotherapy induced nausea and vomiting: quantitative systematic review (full - 2001)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC34325/?tool=pubmed

The cannabinoids: an overview. Therapeutic implications in vomiting and nausea after cancer chemotherapy, in appetite promotion, in multiple sclerosis and in neuroprotection. (abst - 2001)

Cannabinoids may prevent chemotherapy related sickness (news -2001)
Different views on the association between cannabinoids and cancer (abst - 2006)  

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

2nd synthetic marijuana drug OK'd for chemo effects (news – 2006)  

Cesamet, THC and chemotherapy (news – 2006)  

Activation of cannabinoid CB1 and CB2 receptors suppresses neuropathic nociception evoked by the chemotherapeutic agent vincristine in rats. (full – 2007)  
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Pot Compound May Offer “Non-Toxic” Alternative To Chemotherapy (news – 2007)  
http://www.norml.org/index.cfm?Group_ID=7433

Pharmacological Inhibition of CB1 Cannabinoid Receptor Protects Against Doxorubicin-Induced Cardiotoxicity (full - 2008)  
http://content.onlinejacc.org/cgi/content/full/50/6/528

Oral nabilone capsules in the treatment of chemotherapy-induced nausea and vomiting and pain. (abst - 2008)  

Pharmacological synergism between cannabinoids and paclitaxel in gastric cancer cell lines. (abst – 2009)  

Efficacy of Crude Marijuana and Synthetic Delta-9-Tetrahydrocannabinol as Treatment for Chemotherapy-Induced Nausea and Vomiting: A Systematic Literature Review. (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19596652/abstract/Efficacy_of_Crude_Marijuana_and_Synthetic_Delta_9_Tetrahydrocannabinol_as_Treatment_for_Chemotherapy_Induced_Nausea_and_Vomiting:_A_Systematic_Literature_Review

EFFECTIVENESS OF A CANNABINOID AGONIST TO MODIFY THE ALTERED MECHANOSENSITIVITY OF A-DELTA FIBERS AFTER ANTITUMORAL TREATMENT. (abst – 2009)  
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Preliminary efficacy and safety of an oromucosal standardized cannabis extract in chemotherapy-induced nausea and vomiting  (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2997305/pdf/bcp0070-0656.pdf

Regulation of nausea and vomiting by cannabinoids  (full - 2010)

Mechanisms of Broad-Spectemetic Efficacy of Cannabinoids against Chemotherapy-Induced Acute and Delayed Vomiting  (link to PDF– 2010)
http://www.mdpi.com/1424-8247/3/9/2930

Brief Report: Cannabidiol Prevents the Development of Cold and Mechanical Alldynia in Paclitaxel-Treated Female C57Bl6 Mice.  (full – 2011)
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http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2682269/

Marijuana Extract Might Help Prevent Chemotherapy-Related Nerve Pain  (news – 2011)

Cannabinoid 'Completely' Prevents Chemotherapy-Induced Neuropathy, Study Says  (news – 2011)
http://www.norml.org/index.cfm?Group_ID=8710

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

CBD: Marijuana Compound Has No High, But Relieves Pain  (news – 2011)

Cannabidiol may help prevent paclitaxel-induced peripheral neuropathy  (news – 2011)

Marijuana component could ease pain from chemotherapy drugs  (news – 2011)
Fat her: Medical marijuana eased pain of my cancer-battling son (anecdotal – 2011)  

Cannabinoid type-1 receptor reduces pain and neurotoxicity produced by chemotherapy.  
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http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3366638/

The maintenance of cisplatin- and paclitaxel-induced mechanical and cold allodynia is suppressed by cannabinoid CB2 receptor activation and independent of CXCR4 signaling in models of chemotherapy-induced peripheral neuropathy  
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β-Caryophyllene ameliorates cisplatin-induced nephrotoxicity in a cannabinoid 2 receptor-dependent manner.  
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http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3312970/

Therapeutic utility of palmitoylethanolamide in the treatment of neuropathic pain associated with various pathological conditions: a case series  
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Alterations in endocannabinoid tone following chemotherapy-induced peripheral neuropathy: effects of endocannabinoid deactivation inhibitors targeting fatty-acid amide hydrolase and monoacylglycerol lipase in comparison to reference analgesics following cisplatin treatment.  
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Prevention of Paclitaxel-Induced Neuropathy Through Activation of the Central Cannabinoid Type 2 Receptor System  
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http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3334436/

Cannabinoids in the treatment of chemotherapy-induced nausea and vomiting.  
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New Study Says Marijuana Could Stop Cancer from Spreading  
(news – 2012)  
http://www.opposingviews.com/i/society/drug-law/new-study-adds-research-showing-marijuana-could-stop-cancer

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

Cannabis as Painkiller  
(news – 2012)  
http://www.sciencedaily.com/releases/2012/08/120807101232.htm

Effect of low doses of cannabidiolic acid and ondansetron on LiCl-induced conditioned gaping (a model of nausea-induced behaviour) in rats.  
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http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3682714/

Characterisation of cannabinoid-induced relief of neuropathic pain in a rat model of cisplatin-induced neuropathy.  
(abst – 2013)  
Additive antiemetic efficacy of Δ9-THC with vanilloid TRPV1 receptor agonists in the least shrew (Cryptotis parva) (abst - 2013)  
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/1093.20?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad

Cardioprotective effect of cannabidiol in rats exposed to doxorubicin toxicity. (abst – 2013)  

A Double-Blind, Placebo-Controlled, Crossover Pilot Trial With Extension Using an Oral Mucosal Cannabinoid Extract for Treatment of Chemotherapy-Induced Neuropathic Pain. (abst – 2013)  

Cannabidiol inhibits paclitaxel-induced neuropathic pain through 5-HT1A receptors without diminishing nervous system function or chemotherapy efficacy. (abst – 2013)  

Additive antiemetic efficacy of low-doses of the cannabinoid CB1/2 receptor agonist Δ9-THC with ultralow-doses of the vanilloid TRPV1 receptor agonist resiniferatoxin in the least shrew (Cryptotis parva). (abst – 2013)  

Suppression of lithium chloride-induced conditioned gaping (a model of nausea-induced behaviour) in rats (using the taste reactivity test) with metoclopramide is enhanced by cannabidiolic acid. (abst – 2013)  

The effects of cannabidiol and its synergism with bortezomib in multiple myeloma cell lines. A role for transient receptor potential vanilloid type-2 (abst – 2013)  

Spinal gene expression profiling and pathways analysis of a CB2 agonist (MDA7)-targeted prevention of paclitaxel-induced neuropathy. (abst – 2013)  

Mother Investigated After Opting For Marijuana Over Chemotherapy (news – 2013)  


Prophylactic cannabinoid administration blocks the development of paclitaxel-induced neuropathic nociception during analgesic treatment and following cessation of drug delivery. (full – 2014)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3998744/

Chronic Cannabinoid Receptor 2 Activation Reverses Paclitaxel Neuropathy Without Tolerance or Cannabinoid Receptor 1-Dependent Withdrawal. (abst – 2014)  
CHILDHOOD IMMUNE THROMBOCYTOPENIA - see IMMUNE THROMBOCYTOPENIA

CHILDREN (12 and under) *

Nutrition for Moms-to-be! (article - undated)

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

Maternal use of cannabis and pregnancy outcome. (abst – 2002)

Endocannabinoids in the central nervous system--an overview. (abst – 2002)


Recipe For Trouble (news/anecdotal - 2002)
http://www.cbsnews.com/stories/2002/03/05/48hours/main503022.shtml

Comparison of meconium and neonatal hair analysis for detection of gestational exposure to drugs of abuse (full - 2003)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1721515/pdf/v088p00F98.pdf

Experiences with THC-treatment in children and adolescents (abst - 2003)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=80


Medical marijuana: a surprising solution to severe morning sickness (news - 2004)
http://www.mothering.com/community/a/medical-marijuana-a-surprising-solution-to-severe-morning-sickness

Endocannabinoids and food intake: newborn suckling and appetite regulation in adulthood. (full/ forum repost - 2005)
The cannabinoid system and its importance in the perinatal period  (abst – 2005)

Treatment with CBD in oily solution of drug-resistant paediatric epilepsies.
(abst - 2005)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=173&&search_pattern=EPILEPSY

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

Determination of the prevalence of drug misuse by meconium analysis  (full - 2006)
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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  

Dreher's Jamaican Pregnancy Study  (news - 2006)
http://www.november.org/stayinfo/breaking06/DreherStudy.html


No evidence for an involvement of variants in the cannabinoid receptor gene (CNR1) in obesity in German children and adolescents.  (abst – 2007)

Breathe, Push, Puff? Pot Use and Pregnancy: A Review of the Literature  

Volumetric MRI Study of Brain in Children With Intrauterine Exposure to Cocaine, Alcohol, Tobacco, and Marijuana  

Pot smoking cockroach song angers parents  
(news – 2008)
http://www.parentdish.com/2008/10/16/pot-smoking-cockroach-song-angers-parents/

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
Urinary toxicological screening: Analytical interference between niflumic acid and cannabis. (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19716686/abstract/%5BUrinary_toxicological_screening:_Analytical_interference_between_niflumic_acid_and_cannabis_%5D

Accidental cannabis poisoning in children: experience of the Marseille poison center (abst – 2009)  

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

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

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

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

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

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2917192/?tool=pubmed

The cannabinoid WIN55212-2 promotes neural repair after neonatal hypoxia-ischemia. (full - 2010)  
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Endocannabinoid (EC) Receptor, CB1, and EC Enzymes' Expression in Primary Adipocyte Cultures of Lean and Obese Pre-pubertal Children in Relation to Adiponectin and Insulin (abst – 2010)  

Dronabinol for the treatment of unspecific pain, restlessness and spasticity in neuropaediatrics (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
Medical Marijuana is Entering the Classroom  (news – 2010)  

Pregnant Women Smoking Pot Could Reduce Infant Mortality  (news - 2010)  
http://www.opposingviews.com/i/pregnant-women-smoking-pot-could-reduce-infant-mortality

Marijuana is helping my 9-year-old  (news/anecdotal - 2010)  
http://theweek.com/article/index/202109/Marijuana_is_helping_my_9yearold

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

CNR2 functional variant (Q63R) influences childhood immune thrombocytopenic purpura.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3232275/

Examining the Health and Drug Exposures among Canadian Children Residing in Drug-Producing Homes  (abst – 2011)  
http://www.jpeds.com/article/S0022-3476%2811%2900522-1/abstract

Early exposure to Environmental enrichment alters the expression of genes of the endocannabinoid system  (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21419109/abstract/Early Exposure to Environmental enrichment alters the expression of genes of the endocannabinoid system

Accidental cannabis poisoning in children: report of four cases in a tertiary care center from southern Spain  (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21283933/abstract/%5BAccidental cannabis poisoning in children: report of four cases in a tertiary care center from southern Spain%5D

Prolonged coma in a child due to hashish ingestion with quantitation of THC metabolites in urine.  (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/20634020/abstract/Prolonged coma in a child due to hashish ingestion with quantitation of THC metabolites in urine

Pediatric cannabinoid hyperemesis: two cases.  (abst – 2011)  

Cannabinoids in children  (abst – 2011)  

Pot growers' kids in good health, study says  (news - 2011)  

What An Expectant Mother Eats Affects Children’s Psychology in Later Life  (news – 2011)  

The Kids Are All Right, Even if Their Parents Grow Pot  (news – 2011)
Cocaine, Opiate, and Cannabinoid Infant Mortality Study  (news – 2011)

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

Does pot possession equal child neglect?  (news – 2011)

What Are the Benefits of Hemp Seeds for Toddlers?  (news – 2011)

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

Cannabinoid receptor type 2 functional variant influences liver damage in children with non-alcoholic Fatty liver disease.  (full – 2012)
http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0042259

http://www.annalsofepidemiology.org/article/S1047-2797(12)00170-6/fulltext

Unresolved Discrepancies between Cannabinoid Test Results for Infant Urine (full – 2012)  http://www.clinchem.org/content/58/9/1364.full

Acute cannabis poisoning in a 10-month-old infant.  (abst – 2012)

Childhood Obesity and the Role of Dopamine D2 Receptor and Cannabinoid Receptor-1 Gene Polymorphisms.  (abst – 2012)

Cannabis For Infant's Brain Tumor, Doctor Calls Child "A Miracle Baby"  (news – 2012)
http://www.huffingtonpost.com/2012/12/01/cannabis-for-infants-brain_n_2224898.html

Strange Reason for Baby's Positive Pot Test Found  (news – 2012)
http://ca.news.yahoo.com/strange-reason-babys-positive-pot-test-found-120630522.html

Researchers study neuroprotective properties in cannabis  (news - 2012)
http://www.foxnews.com/health/2012/03/20/researchers-study-neuroprotective-properties-in-cannabis/

How Medical Marijuana Is Giving a Six-Year-Old Boy New Life  (news – 2012)
http://thinkprogress.org/justice/2012/09/18/854811/how-medical-marijuana-is-giving-a-six-year-old-boy-new-life/?mobile=nc
Cannabinoids, Breast Milk, and Development (news – 2012)

Is Medical Marijuana Safe for Children? (news – 2012)

Anticipated Medical Effects on Children From Legalization of Marijuana in Colorado and Washington State (abst + 1st page – 2013)
http://archpedi.jamanetwork.com/article.aspx?articleid=1691419&resultClick=3

Cannabinoid CB2 receptor gene (CNR2) polymorphism is associated with chronic childhood immune thrombocytopenia in Egypt. (abst – 2013)

The role of child protection in cannabis grow-operations. (abst – 2013)

Methadone and illegal drugs in hair from children with parents in maintenance treatment or suspected for drug abuse in a German community. (abst – 2013)


Montreal hospital changes drug-testing protocol after baby's seizure (news – 2013)

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

Parents of epileptic N.J. tot lament medical marijuana delays (news – 2013)

Medical Marijuana for Kids? Some Praise Results While Others Worry About Risks (news – 2013) http://www.cnbc.com/id/100876423

Maine Mom Fights Son’s Autistic Episodes With Marinol (news – 2013)

Charlotte’s Web Of Suffering: Six-Year-Old Colorado Girl With Dravet Syndrome Finds Relief From Marijuana High In CBD (news – 2013)

Toronto family hopes for access to controversial treatment to cure baby’s rare epilepsy (news – 2013)
Dad defends decision to give 7-year-old daughter with leukemia marijuana for the pain

Buying Pot For My 11-Year-Old

Mother Investigated After Opting For Marijuana Over Chemotherapy

Families of children with epilepsy moving to Colorado, drawn by success of marijuana oil

Families migrate to Colorado for marijuana miracle

Parents losing custody for medical-marijuana use

Harvard: Marijuana Doesn’t Cause Schizophrenia

Parents treat self-harming child with medical marijuana


The Comprehensive Report on the Cannabis Extract Movement and the Use of Cannabis Extracts to Treat Diseases

Childhood and current ADHD symptom dimensions are associated with more severe cannabis outcomes in college students.

The case for medical marijuana in epilepsy.

Meconium Drug Testing in Multiple Births in the USA
Cannabinoid findings in children hair - what do they really tell us? An assessment in the light of three different analytical methods with focus on interpretation of Δ9-tetrahydrocannabinolic acid A concentrations. (abst – 2014)


Does medical marijuana equal bad parenting? (news – 2014)

This Family Had To Fire Their Doctor To Get Medical Marijuana For Their Son (news – 2014)
http://www.huffingtonpost.com/2014/03/25/epilepsy-medical-marijuana_n_5022008.html

Marijuana tested as treatment for children with epilepsy (news – 2014)

Changing pot laws prompt child-endangerment review (news – 2014)

UCSF-led study gathers data on safety, tolerability of purified cannabinoid for children with epilepsy (news – 2014)

CHOLERA *

An endogenous cannabinoid tone attenuates cholera toxin-induced fluid accumulation in mice. (full – 2003)
http://www.gastrojournal.org/article/S0016-5085%2803%2900892-8/fulltext

Marijuana for cholera therapy (letter – 2005)
https://www.cell.com/trends/pharmacological-sciences/fulltext/S0165-6147%2805%2900266-X

CHOLESTEROL *

Role of activated endocannabinoid system in regulation of cellular cholesterol metabolism in macrophages (full – 2008)
http://cardiovascres.oxfordjournals.org/content/81/4/805.full?sid=7d2438c4-a727-410f-870d-4a971695b4fb


Cannabis plant extracts could potentially form the basic ingredients for a market-leading diabetes drug (news – 2009)  http://www.thefreelibrary.com/Cannabis+plant+extracts+could+potentially+form+the+basic+ingredients...-a0202701009

A common CNR1 (cannabinoid receptor 1) haplotype attenuates the decrease in HDL cholesterol that typically accompanies weight gain. (full – 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3013130/?tool=pubmed


The effects of hempseed meal intake and linoleic acid on Drosophila models of neurodegenerative diseases and hypercholesterolemia. (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3933972/


Antihyperglycemic and hypolipidemic effects of α, β-amyrin, a triterpenoid mixture from Protium heptaphyllum in mice (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3484111/

Excess of the endocannabinoid anandamide during lactation induces overweight, fat accumulation and insulin resistance in adult mice (full – 2012)  http://www.dmsjournal.com/content/4/1/35
Interleukin-1β causes anxiety by interacting with the endocannabinoid system. (full – 2012)  http://www.jneurosci.org/content/32/40/13896.long

CNR1 genotype influences HDL-cholesterol response to change in dietary fat intake. (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3342253/


Treatment with CB 2 Agonist JWH-133 Reduces Histological Features Associated with Erectile Dysfunction in Hypercholesterolemic Mice. (full – 2013)  http://www.hindawi.com/journals/cdi/2013/263846/

A common functional promoter variant links CNR1 gene expression to HDL cholesterol level. (full – 2013)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3873874/


GPR55 and its Interaction with Membrane Lipids: Comparison with Other Endocannabinoid-Binding Receptors (link to PDF – 2013)  http://www.eurekaselect.com/105678/article


Role of Genetic Variation in the Cannabinoid Receptor Gene (CNR1) (G1359A Polymorphism) on Weight Loss and Cardiovascular Risk Factors After Liraglutide Treatment in Obese Patients With Diabetes Mellitus Type 2. (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24322329

Effects of C358A polymorphism of the endocannabinoid degrading enzyme fatty acid amide hydrolase (FAAH) on weight loss, adipocytokines levels, and insulin resistance after a high polyunsaturated fat diet in obese patients. (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/24445122

Detailed characterization of the endocannabinoid system in human macrophages and foam cells, and anti-inflammatory role of type-2 cannabinoid receptor. (abst – 2014)

**CHRONIC FATIGUE SYNDROME/ MYALGIC ENCEPHALOMYELITIS** *

Myalgic Encephalomyelitis by Anonymous (anecdotal – undated)
http://www.rxmarijuana.com/shared_comments/Myalgic_Encephalomyelitis.htm

Medical marijuana shows promise for pain (news – 2012)
http://sacfs.asn.au/news/2012/01/01_08_medical_marijuana_shows.promise_for_pain.htm

**COGNATIVE EFFECTS**- see IQ

**COLITIS** * - also see BOWEL DISORDERS

Cannabinoids spell relief in colon inflammation (news – 2004)

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)


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)  

Medical Marijuana and Colitis (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/132?ailment=colitis

The Cannabinoid 1 Receptor (CNR1) 1359 G/A Polymorphism Modulates Susceptibility to Ulcerative Colitis and the Phenotype in Crohn's Disease (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2829088/?tool=pmcentrez

Mice lacking cannabinoid CB1-, CB2-receptors or both receptors show increased susceptibility to trinitrobenzene sulfonic acid (TNBS)-induced colitis. (full – 2010)  
http://www.jpp.krakow.pl/journal/archive/02_10/pdf/89_02_10_article.pdf

The effects of Delta-tetrahydrocannabinol and cannabidiol alone and in combination on damage, inflammation and in vitro motility disturbances in rat colitis. (full - 2010)  
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**DRUG INTERACTIONS**  - see INTERACTIONS WITH OTHER DRUGS

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**DRUG TESTING - OTHER** *


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Some shocking results: A woman replaced 40 medications with raw cannabis juice…
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Anchovy red wine vinegarette with or without cannabis oil (recipe – 2011)  

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**METHODS OF USE – INJECTION**  
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The safety of studies with intravenous Δ(9)-tetrahydrocannabinol in humans, with case histories. (abst – 2011)  

Dose-Related Modulation of Event-Related Potentials to Novel and Target Stimuli by Intravenous Δ(9)-THC in Humans. (full – 2012)  
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**METHODS OF USE - NASAL SPRAYS**


**METHODS OF USE - OROMUCOSAL SPRAY** - also see Sativex


**METHODS OF USE – RSO / RICK SIMPSON'S OIL/ HEMP OIL/ PHOENIX OIL**


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Cannabis Oil Shrinks “One Of The Worst” Cancers  (news – infomercial – 2012)  
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“Usual” cannabis abuse producing an unusual incident (abst – 2007)
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No Decrease in Pulmonary Function Associated with Long-Term Cannabis Smoking, Study Says (news - 2007) http://www.illinoisnorml.org/content/view/366/27/

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Why doesn’t marijuana cause cancer?  (news – 2011)

Prevalence and co-use of marijuana among young adult cigarette smokers: An anonymous online national survey  (full – 2012)
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Tinctures - by Dr. Jay R. Cavanaugh, Ph.D. (undated) http://www.letfreedomgrow.com/recipes/tincture.htm


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Medical Marijuana Topical Balm Recipe for Eczema, Sore Joints, PMS Cramps (recipe – 2011)  
Cannabis Science Provides Physician’s Documentation That Confirms Successful Treatment of Skin Cancer  (news/ information – 2011)  


Treatment of chronic regional pain syndrome type 1 with palmitoylethanolamide and topical ketamine cream: modulation of nonneuronal cells  (full - 2013)  
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Cannabis can help treat obesity (news – 2012)
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New Drug Could Help Maintain Long-Term Weight Loss (news – 2012)
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The cannabinoid Δ(9)-tetrahydrocannabivarin (THCV) ameliorates insulin sensitivity in two mouse models of obesity. (full – 2013)
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The effects of obesity, diabetes and metabolic syndrome on the hydrolytic enzymes of the endocannabinoid system in animal and human adipocytes. (full – 2014)  
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Influence of dietary fat intake on the endocannabinoid system in lean and obese subjects. (full – 2014)  

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OLDER ADULT CANNABIS USERS

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Older Adults' Pot Use Up  (news - 2010)
Bongs for Boomers: Marijuana Use Increasing Among Seniors (news – 2010)  
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Medical Marijuana Raises Tough Questions for Nursing Homes (news – 2010)  

Marijuana Use By Seniors Goes Up As Boomers Age (news - 2010)  
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Pot Breaks the Age Barrier (news - 2010)  
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Why Growing Numbers of Baby Boomers and the Elderly Are Smoking Pot (news – 2010)  
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Pot for Grandma? Middle-Aged Adults Buying Weed for Ailing Parents (news – 2010)  

Marijuana use among older adults in the U.S.A.: user characteristics, patterns of use, and implications for intervention (abst – 2011)  

125 Year Old Woman Claimed Smoking Cannabis Everyday Was Her Secret to Long Life (news – 2011)  

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

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Seniors’ Medical Pot Collective Faces Opposition in California (news – 2011)  

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Illicit Drug Use Rising For 50+ Crowd (news – 2012)

Silver Tour: Wall Street Journal Looks At Seniors and Medical Marijuana Use (news – 2012)

Seniors having Trouble Getting Medical Marijuana (news – 2012)

Is Marijuana Booming Among Boomers? (news – 2013)
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Medical marijuana helps senior sleep, contend with other problems of aging (news – 2013)
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Cannabis for Elders: A Precarious State (news – 2013)

Cannabis Care: Manchester grandmother fears getting caught for using marijuana, waits anxiously for bill to pass (news – 2013)

Should Your Aging Parent Try Medical Marijuana? (news/ anecdotal – 2013)

Marijuana use on the rise among young adults, fiftysomethings (news – 2013)

Senior Focus: Should marijuana be legalized for end of life care? (news – 2013)
http://www.stltoday.com/lifestyles/health-med-fit/6814b63f-d758-5500-9507-a908a5b20c01.html


Therapeutic benefits of cannabis: a patient survey. (full – 2014)
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The endocannabinoid system and appetite: relevance for food reward. (abst – 2014)
OMEGA-3/ CB1 CONNECTION* - without Omega 3, new CB1 receptors are made imperfectly - also see NUTRITION – HEMP SEED OIL, CBR- CB1 RECEPTORS

Nutrition for Moms-to-be! (article - undated)  

Omega-3 and Omega-6 Essential fatty Acids (EFA) (infomercial/ad – undated)  

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Effect of dietary hempseed intake on cardiac ischemia-reperfusion injury. (full – 2007)  
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Effect of dietary krill oil supplementation on the endocannabinoidome of metabolically relevant tissues from high-fat-fed mice  
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Cannabinoid receptor expression in femora and tibiae of C57/blk6 mice fed DHA and relationship to bone ash and BMC. (bone mineral content) (abst – 2014) http://www.fasebj.org/content/28/1_Supplement/1032.2.abstract?sid=467bb529-0ecc-4ddc-af27-3f56f520a102
OMEGA-6/ENDOCANNABINOID CONNECTION - endocannabinoids are made from Omega 6, you need it, but it is also pro-inflammatory, so too much is not good for you.

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**ORGAN TRANSPLANTS**

Exogenous lipid pneumonia related to smoking weed oil following cadaveric renal transplantation (full – 2000) http://www.pulsus.com/journals/pdf_frameset.jsp?inKy=4&atlKy=4570&isArt=t&jnlAdvert=Resp&adver ifHCTp=&sTitle=Exogenous%20lipid%20pneumonia%20related%20to%20smoking%20weed%20oil%20following%20cadaveric%20renal%20transplantation,%20Pulsus%20Group%20Inc&VisitorType=

Sphingosine and its analog, the immunosuppressant 2-amino-2-(2-[4-octyloxypheny]ethyl)-1,3-propanediol, interact with the CB1 cannabinoid receptor.  
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Endocannabinoids and cannabinoid receptors in ischaemia–reperfusion injury and preconditioning  
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The debate about marijuana usage in transplant candidates: recent medical evidence on marijuana health effects.  

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Should Hepatitis C Patients Who Smoke Marijuana Be Eligible For Liver Transplants?  
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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

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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


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**PHARC/ POLYNEUROPATHY, HEARING LOSS, ATAXIA, RETINITIS PIGMENTOSA, and CATARACT SYNDROME**

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Targeted next-generation sequencing identifies a homozygous nonsense mutation in ABHD12, the gene underlying PHARC, in a family clinically diagnosed with Usher syndrome type 3 (full – 2012) http://www.ojrd.com/content/7/1/59


**PLACEBO EFFECT**


The Neurobiology of Placebo and Nocebo: How Expectations Influence Treatment Outcomes  (full – 2013)
http://neuro.psychiatryonline.org/article.aspx?articleid=1770382&resultClick=1

FAAH selectively influences placebo effects.  (abst – 2013)

Nocebo and placebo modulation of hypobaric hypoxia headache involves the cyclooxygenase-prostaglandins pathway.  (abst – 2014)

**POISONING – HEAVY METAL** *

Protective effect of cannabidiol against cadmium hepatotoxicity in rats.  (abst – 2013)

The neuroprotective role of endocannabinoids against chemical-induced injury and other adverse effects.  (abst – 2013)

Arsenic decreases antinociceptive activity of paracetamol: Possible involvement of serotonergic and endocannabinoid receptors  (abst – 2014)

**POISONING - ORGANOPHOSPHATE**

Fatty acid amide hydrolase inhibition by neurotoxic organophosphorus pesticides.  (abst – 2001)

Cannabinoid CB1 receptor as a target for chlorpyrifos oxon and other organophosphorus pesticides.  (abst – 2002)

Modulation of paraoxon toxicity by the cannabinoid receptor agonist WIN 55,212-2.  (abst – 2006)

Monoacylglycerol lipase inhibition by organophosphorus compounds leads to elevation of brain 2-arachidonoylglycerol and the associated hypomotility in mice.  (abst – 2006)

Organophosphate-Sensitive Lipases Modulate Brain Lysophospholipids, Ether Lipids and Endocannabinoids (full – 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2582404/


Activation of the endocannabinoid system by organophosphorus nerve agents (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2597283/


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


Comparative effects of chlorpyrifos in wild type and cannabinoid Cb1 receptor knockout mice. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3205254/

Effect of Developmental Chlorpyrifos Exposure on Endocannabinoid Metabolizing Enzymes in the Brain of Juvenile Rats. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3143466/

Inhibition of recombinant human carboxylesterase 1 and 2 and monoacylglycerol lipase by chlorpyrifos oxon, paraoxon and methyl paraoxon. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3345137/


Comparative effects of parathion and chlorpyrifos on extracellular endocannabinoid levels in rat hippocampus: Influence on cholinergic toxicity. (abst – 2013) 

Organophosphate agents induce plasma hypertriglyceridemia in mouse via single or dual inhibition of the endocannabinoid hydrolyzing enzyme(s). (abst – 2013) 

Low Level Chlorpyrifos Exposure Increases Anandamide Accumulation in Juvenile Rat Brain in the Absence of Brain Cholinesterase Inhibition. (abst – 2013) 
http://www.ncbi.nlm.nih.gov/pubmed/24373905

The neuroprotective role of endocannabinoids against chemical-induced injury and other adverse effects. (abst – 2013) 

Organophosphate agents induce plasma hypertriglyceridemia in mouse via single or dual inhibition of the endocannabinoid hydrolyzing enzyme(s). (abst – 2014) 

Fenitrothion action at the endocannabinoid system leading to spermatotoxicity in Wistar rats. (abst – 2014) 

**POISONING – PARAQUAT** *

Paraquat induces apoptosis in human lymphocytes: protective and rescue effects of glucose, cannabinoids and insulin-like growth factor-1. (abst – 2008) 


Protective effects of the synthetic cannabinoids CP55,940 and JWH-015 on rat brain mitochondria upon paraquat exposure. (abst – 2010) 

CB2 Receptor Activation Ameliorates the Proinflammatory Activity in Acute Lung Injury Induced by Paraquat. (full – 2014) 
http://www.hindawi.com/journals/bmri/2014/971750/
**PORPHYRIA**

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

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

Effects of repeated administration with CP-55,940, a cannabinoid CB1 receptor agonist on the metabolism of the hepatic heme.  (abst – 2005)  

Medical Marijuana and Porphyria  (news – 2009)  
https://www.marijuanadoktorsk.com/content/ailments/view/53?ailment=porphyria

Porphyria—Alternative Symptom Treatments  (news – 2011)  
http://medicalmarijuana.com/medical-marijuana-treatments/Porphyria-Alternative-Symptom-Treatments

**POST-OPERATIVE PAIN**

Cannabinoids give no more pain relief than codeine tablets  (news – 2001)  

Cannabinoid CB2 receptor agonist activity in the hindpaw incision model of postoperative pain.  (abst - 2005)  

A multicenter dose-escalation study of the analgesic and adverse effects of an oral cannabis extract (Cannador) for postoperative pain management.  (full - 2006)  
http://journals.lww.com/anesthesiology/Fulltext/2006/05000/A_Multicenter_Dose_escalation_Study_of_th e.21.aspx

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

Delta(9)-tetrahydrocannabinol and the opioid receptor agonist piritramide do not act synergistically in postoperative pain  (abst – 2006)  

Cannabis effective at relieving pain after major surgery  (news - 2006)  

Spinal cannabinoid receptor type 2 activation reduces hypersensitivity and spinal cord glial activation after paw incision.  (full - 2007)  
http://journals.lww.com/anesthesiology/Fulltext/2007/04000/Spinal_Cannabinoid_Receptor_Type_2_Activ ation.21.aspx
Cannabinoids for Postoperative Pain  (letter – 2007)  

Cannabinoid Receptor Agonist Significantly Reduces Post-Operative Pain, Study Says  (news – 2007)  
http://norml.org/index.cfm?Group_ID=7246

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  (news - 2010)  

Peripheral and Spinal Activation of Cannabinoid Receptors by Joint Mobilization Alleviates Postoperative Pain in Mice.  (abst – 2013)  

Postoperative Analgesia in the Jamaican Cannabis User  (abst – 2013)  

Intrathecal Injection of JWH015 Attenuates Remifentanil-Induced Postoperative Hyperalgesia by Inhibiting Activation of Spinal Glia in a Rat Model.  (abst – 2014)  

POST POLIO SYNDROME

Medical Marijuana and Post Polio Syndrome (PPS)  (news – undated)  
https://www.marijuanadoctors.com/content/ailments/view/54?ailment=post-polio-syndrome-pps

Medical Marijuana Coverage Still Lost in the Legal Weeds  (article – 2013)  
http://www.managedcaremag.com/linkout/2013/1/23

Doctors tell lawmakers medical marijuana is effective  (news – 2014)  
http://qctimes.com/news/local/government-and-politics/7d2eb47e-ab8d-5a0d-8025-5307d2adfec0.html

POST TRAUMATIC STRESS DISORDER/ PTSD
Never fear, cannabinoids are here (article - 2002)  
http://mcforadhd.free.fr/naturefear.pdf

The endogenous cannabinoid system controls extinction of aversive memories.  

'Natural' cannabis manages memory (news - 2002)  
http://news.bbc.co.uk/2/hi/health/2163405.stm

Study: Marijuana Eases Traumatic Memories (news - 2002)  

Natural High Erases Bad Memories (news - 2002)  

Cannabis-like Brain Chemical Blocks Out Bad Memories (news - 2002)  
http://www.scientificamerican.com/article.cfm?id=cannabis-like-brain-chemi

Endocannabinoids extinguish bad memories in the brain (news - 2002)  
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=123#1

Marijuana-Like Compound Banishes Fear (news - 2002)  

Natural high helps banish bad memories (news - 2002) (may need registration)  

Israel to soothe soldiers with marijuana (news - 2004)  

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

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=HWT

Aversive memory reactivation engages in the amygdala only some neurotransmitters involved in consolidation.  (full – 2006)  
http://learnmem.cshlp.org/content/13/4/426.long

PTSD and Cannabis: A Clinician Ponders Mechanism of Action (news - 2006)  
http://www.letfreedomgrow.com/cmru/ptsd_and_cannabis.htm

Cannabis Eases Post Traumatic Stress (news/ forum repost - 2006)  

Modulation of Fear and Anxiety by the Endogenous Cannabinoid System  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2789283/?tool=pmcentrez
Inhibition of fatty-acid amide hydrolase accelerates acquisition and extinction rates in a spatial memory task.  (full – 2007)  

Posttraumatic stress symptom severity predicts marijuana use coping motives among traumatic event-exposed marijuana users  (abst - 2007)  
http://marijuana.researchtoday.net/archive/4/8/1378.htm

Brain's Fear Response Could Help Treat Pain And Anxiety  (news – 2007)  

Medical Marijuana: PTSD Medical Malpractice  (news - 2007)  
http://salem-news.com/articles/june142007/levaque_61407.php

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)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2685476/?tool=pubmed

Marijuana Therapy for Veterans with PTSD  (article – 2008)  
http://www.benefitofmarijuana.com/ask/reader-questions/marijuana-therapy-for-veterans-with-ptsd/

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).  (full - 2009)  

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

Medical Marijuana and Post-Traumatic Stress Disorder (PTSD)  (news – 2009)  

Medical Marijuana and Nightmares  (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/47?ailment=nightmares

Marijuana could alleviate symptoms of PTSD  (news – 2009)  
http://israel21c.org/health/marijuana-could-alleviate-symptoms-of-ptsd

'Pot' may help combat PTSD U. of Haifa study shows (news - 2009) http://www.jpost.com/LandedPages/PrintArticle.aspx?id=159548

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


The role of cannabinoids in modulating emotional and non-emotional memory processes in the hippocampus. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3124830/?tool=pubmed


Anti-Aversive Effects of Cannabidiol on Innate Fear-Induced Behaviors Evoked by an Ethological Model of Panic Attacks Based on a Prey vs the Wild Snake Epicrates cenchria cenchria Confrontation Paradigm. (full - 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3242302/


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. (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3242309/

Multiple mechanisms involved in the large-spectrum therapeutic potential of cannabidiol in psychiatric disorders. (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3481531/

Convergent translational evidence of a role for anandamide in amygdala-mediated fear extinction, threat processing and stress-reactivity (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3549323/

Bimodal Control of Fear-Coping Strategies by CB1 Cannabinoid Receptors. (full – 2012)  http://www.jneurosci.org/content/32/21/7109.long


Failure to extinguish fear and genetic variability in the human cannabinoid receptor 1. (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3565211/
http://www.cadth.ca/media/pdf/htis/july-2012/RC0368%20Cannabinoids%20Final.pdf

Positron emission tomography offers new perspectives for evidence-based treatment development in PTSD (abst – 2012) 
http://www.journaldatabase.org/articles/positron_emission_tomography_offers.htm

Fear relief—toward a new conceptual framework and what endocannabinoids gotta do with it. (abst – 2012) 

Cannabinoid CB1 receptor deficiency increases contextual fear memory under highly aversive conditions and long-term potentiation in vivo. (abst – 2012) 

Expression pattern of the cannabinoid receptor genes in the frontal cortex of mood disorder patients and mice selectively bred for high and low fear. (abst – 2012) 


The underdiagnosis of cannabis use disorders and other Axis-I disorders among military veterans within VHA. (abst – 2012) 

Cannabinoid type 1 receptors and transient receptor potential vanilloid type 1 channels in fear and anxiety—two sides of one coin? (abst – 2012) 

Cannabidiol blocks long-lasting behavioral consequences of predator threat stress: Possible involvement of 5HT1A receptors. (abst – 2012) 

CB1 receptor activation in the nucleus accumbens core impairs contextual fear learning. (abst – 2012) 

Brain altering drug calms fears also (news – 2012) 

Israel pushing ahead in medical marijuana industry (news – 2012) 
http://news.yahoo.com/israel-pushing-ahead-medical-marijuana-industry-180817891.html;_ylt=A2KJfzb3o5RQ4BcAYprQtDMD


Recent Progress in Understanding the Pathophysiology of Post-Traumatic Stress Disorder: Implications for Targeted Pharmacological Treatment. (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3629370/

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

Cannabinoid facilitation of fear extinction memory recall in humans. (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3445738/


Involvement of prelimbic medial prefrontal cortex in panic-like elaborated defensive behaviour and innate fear-induced antinociception elicited by GABAA receptor blockade in the dorsomedial and ventromedial hypothalamic nuclei: role of the endocannabinoid CB1 receptor. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23521775

Infusion of cannabidiol into infralimbic cortex facilitates fear extinction via CB1 receptors. (abst – 2013) http://www.ncbi.nlm.nih.gov/pubmed/23643693


Brain-Imaging Study Links Cannabinoid Receptors to Post-Traumatic Stress Disorder: First Pharmaceutical Treatment for PTSD Within Reach (news – 2013) http://www.sciencedaily.com/releases/2013/05/130514085016.htm


Marijuana-like compound could lead to first-ever medication for PTSD (news – 2013) http://www.foxnews.com/health/2013/05/14/marijuana-like-compound-could-lead-to-first-ever-medication-for-ptsd/


PTSD Symptom Reports of Patients Evaluated for the New Mexico Medical Cannabis Program (full – 2014) http://www.tandfonline.com/doi/full/10.1080/02791072.2013.873843#tabModule


PRADER WILLI SYNDROME


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


Dysregulated Cannabinoid Signaling Disrupts Uterine Receptivity for Embryo Implantation (full - 2001) http://www.jbc.org/content/276/23/20523.full


Contrasting effects of WIN 55212-2 on motility of the rat bladder and uterus. (full – 2002) http://www.jneurosci.org/content/22/16/7147.long

Low fatty acid amid hydrolase and high anandamide levels are associated with failure to achieve an ongoing pregnancy after IVF and embryo transfer (full – 2002) http://molehr.oxfordjournals.org/content/8/2/188.full


Comparison of meconium and neonatal hair analysis for detection of gestational exposure to drugs of abuse (full - 2003) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1721515/pdf/v088p00F98.pdf


Mouse blastocysts release a lipid which activates anandamide hydrolase in intact uterus (full – 2004) http://molehr.oxfordjournals.org/content/10/4/215.full


The endocrinological basis of recurrent miscarriages. (abst – 2005)

Effects of cannabinoids on hypothalamic and reproductive function. (abst – 2005)

The impact of obesity on reproduction in women with polycystic ovary syndrome.

Determination of the prevalence of drug misuse by meconium analysis (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2672735/?tool=pubmed

Survey of medicinal cannabis use among childbearing women: patterns of its use in pregnancy and retroactive self-assessment of its efficacy against 'morning sickness'.

Parental marijuana use and risk of childhood acute myeloid leukaemia: a report from the Children's Cancer Group (United States and Canada). (abst – 2006)


More Pregnancy Highs Than Lows (news - 2006)

Oily fish makes 'babies brainier’ (news - 2006) (hemp seed - at the end)
http://news.bbc.co.uk/2/hi/health/4631006.stm

Dreher's Jamaican Pregnancy Study (news - 2006)
http://www.november.org/stayinfo/breaking06/DreherStudy.html

Cannabis Relieves Morning Sickness (news/forum repost - 2006)

The role of the endocannabinoid system in gametogenesis, implantation and early pregnancy (full - 2007)
http://humupd.oxfordjournals.org/cgi/content/full/13/5/501?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=960&resourcetype=HWCIT


http://norml.org/index.cfm?Group_ID=8060
CB2 receptors in reproduction (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219526/

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)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2553193/?tool=pmcentrez

Expression of the Endocannabinoid System in Human First Trimester Placenta and Its Role in Trophoblast Proliferation (full – 2008)
http://endo.endojournals.org/content/149/10/5052.full?sid=f5b14012-9fbe-4f10-890c-386313060cf8

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


During pregnancy, recreational drug-using women stop taking ecstasy (3,4-methylenedioxy-N-methylamphetamine) and reduce alcohol consumption, but continue to smoke tobacco and cannabis: initial findings from the Development and Infancy Study. (full - 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3564500/


Short communication: Urinary excretion of 11-nor-9-carboxy-Delta(9)-tetrahydrocannabinol in a pregnant woman following heavy, chronic cannabis use. (letter - 2009) http://jat.oxfordjournals.org/content/33/9/610.long


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

N-Acylethanolamine Levels and Expression of Their Metabolizing Enzymes during Pregnancy  (full – 2010)  http://endo.endojournals.org/content/151/8/3965.full


Tocolytic Effect of Δ9-Tetrahydrocannabinol in Mice Model of Lipopolysaccharide—Induced Preterm Delivery: Role of Nitric Oxide  (abst - 2010)  http://rsx.sagepub.com/content/17/4/391.abstract

A common variation in the cannabinoid 1 receptor (CNR1) gene is associated with pre-eclampsia in the Central European population.  (abst - 2010)  http://www.ncbi.nlm.nih.gov/pubmed/21129839


Pregnant women turning to cannabis for morning sickness relief risk prosecution  (news - 2010)  http://michigandispensaries.us/news/pregnant-women-turning-to-cannabis-for-morning-sickness-relief-risk-prosecution


Sex difference in cell proliferation in developing rat amygdala mediated by endocannabinoids has implications for social behavior  
(full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2996668/?tool=pubmed

Prenatal tobacco, marijuana, stimulant, and opiate exposure: outcomes and practice implications.  
(full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3188826/?tool=pubmed

Commentary: Functional Neuronal CB2 Cannabinoid Receptors in the CNS.  
(full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3137183/?tool=pubmed

Medical Marijuana: Can Pot Help Pregnant Women With Vomiting and Nausea?  
(article – 2011)  

Cannabinoid hyperemesis syndrome: an underreported entity causing nausea and vomiting of pregnancy.  
(abst – 2011)  

Cocaine, Opiate, and Cannabinoid Infant Mortality Study  
(news – 2011)  

Endocannabinoids: A healthy diet is good for LTD  
(news – 2011)  

Pharmacological characterization of the peripheral FAAH inhibitor URB937 in female rodents: interaction with the Abcg2 transporter in the blood-placenta barrier  
(full – 2012)  

Endocannabinoid signaling in female reproduction.  
(full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3382454/

Uncovering a role for endocannabinoid signaling in autophagy in preimplantation mouse embryos  
(full – 2012)  
http://molehr.oxfordjournals.org/content/19/2/93.full

Ectopic pregnancy is associated with high anandamide levels and aberrant expression of FAAH and CB1 in fallopian tubes.  
(full – 2012)  

Acetaminophen, pesticide, and diethylhexyl phthalate metabolites, anandamide, and fatty acids in deciduous molars: potential biomarkers of perinatal exposure.  
(abst – 2012)  

Cannabinoid modulation of mother-infant interaction: is it just about milk?  
(abst – 2012)  
Researchers study neuroprotective properties in cannabis  (news - 2012)  
http://www.foxnews.com/health/2012/03/20/researchers-study-neuroprotective-properties-in-cannabis/

Cannabinoids, Breast Milk, and Development  (news – 2012)  


Detection of In Utero Marijuana Exposure by GC–MS, Ultra-Sensitive ELISA and LC–TOF–MS Using Umbilical Cord Tissue  (full – 2013)  
http://jat.oxfordjournals.org/content/early/2013/07/09/jat.bkt052.full

The role of endocannabinoids in pregnancy.  (full – 2013)  
http://www.reproduction-online.org/content/early/2013/06/06/REP-12-0508.long

Embryonic diapause in humans: time to consider?  (full – 2013)  
http://www.rbej.com/content/11/1/92

Detection of the endocannabinoid metabolome in human plasma and breast milk  (abst – 2013)  
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/45.8?sid=eea722c0-971c-4daa-8b8c-38c0c63c19ad

Synthetic cannabinoids and potential reproductive consequences.  (abst – 2013)  

Endocannabinoid receptor (CB1R) deficiency affects maternal care and alters the dam's hippocampal oxytocin receptor and BDNF expression  (abst – 2013)  

Long-term consequences of perinatal fatty acid amino hydrolase inhibition  (abst – 2013)  

Diagnostic Value of Concentration Profiles of Glucocorticosteroids and Endocannabinoids in Hair.  (abst – 2013)  

Endocannabinoid crosstalk between placenta and maternal fat in a baboon model (Papio spp.) of obesity.  (abst – 2013)  

Plasma Anandamide and Related N-acylethanolamide Levels are not Elevated in Pregnancies Complicated by Hyperemesis Gravidarum.  (abst – 2013)  

Of mice and (wo)men: factors influencing successful implantation including endocannabinoids.  (abst – 2013)  
The Effect of Mifepristone (RU486) on the Endocannabinoid System in Human Plasma and First Trimester Trophoblast of Women undergoing Termination of Pregnancy. (abst – 2013)

Differential expression of endocannabinoid system in normal and preeclamptic placentas: effects on nitric oxide synthesis. (abst - 2013)

Endocannabinoids as biomarkers of human reproduction. (abst – 2014)

Endocannabinoid Regulation in Human Endometrium Across the Menstrual Cycle (abst – 2014)
http://rsx.sagepub.com/content/early/2014/05/09/1933719114533730.abstract

Fatty Acid Binding Protein-4 is expressed in the mouse placental labyrinth, yet is dispensable for placental triglyceride accumulation and fetal growth (abst – 2014)

**PROMM/ PROXIMAL MYOTONIC MYOPATHY**

Marijuana for the Management of Proximal Myotonic Myopathy (full - 2001)
http://www.jpsmjournal.com/article/S0885-3924(01)00252-4/fulltext

**PRIONS**

Nonpsychoactive cannabidiol Prevents Prion Accumulation and Protects Neurons against Prion Toxicity (full - 2007) http://www.jneurosci.org/cgi/content/full/27/36/9537

Recent News: Marijuana (Cannabis) May Prevent Mad Cow Disease (news/ forum repost - 2007)

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/

Alteration of the Endocannabinoid System In Mouse Brain During Prion Disease.  (abst – 2011)  http://www.unboundmedicine.com/medline/ebm/record/21195746/abstract/Alteration_of_the_Endocannabinoid_System_In_Mouse_Brain_During_Prion_Disease

PRURITIS - chronic itch


Old drugs in new role: relieving chronic pruritus; Cannabinoid agonists, opioid receptor antagonists have attracted the attention of dermatologists  (news - 2005)  http://www.thefreelibrary.com/Old+drugs+in+new+role%3a+relieving+chronic+pruritus%3b+Cannabinoid ...-a0149197152
Cream with endocannabinoids effective in the treatment of pruritus (news - 2005)  

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

Neurophysiological, Neuroimmunological, and Neuroendocrine Basis of Pruritus (full - 2006)  
http://www.nature.com/jid/journal/v126/n8/full/5700231a.html

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)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=196


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Evaluation of a Human On-site Urine Multidrug Test for Emergency Use With Dogs  (abst - 2009)  [http://www.jaaha.org/cgi/content/abstract/45/2/59?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=3200&resourcetype=HWCIT](http://www.jaaha.org/cgi/content/abstract/45/2/59?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=3200&resourcetype=HWCIT)

The endocannabinoid 2-arachidonoyl-glycerol controls odor sensitivity in larvae of Xenopus laevis. (full – 2010) http://www.jneurosci.org/content/30/26/8965.long


Cannabinoid exposure during zebra finch sensorimotor vocal learning persistently alters expression of endocannabinoid signaling elements and acute agonist responsiveness (full – 2011) http://www.biomedcentral.com/1471-2202/12/3

The role of central CB2 cannabinoid receptors on food intake in neonatal chicks (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21927979

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


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Report: Drug-Sniffing Dogs Are Wrong More Often Than Right  (news – 2011)

Vets see more dogs snarfing humans’ medical pot  (news – 2011)
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The Relationship between Plants Used to Sustain Finches (Fringillidae) and Uses for Human Medicine in Southeast Spain.  (full – 2012)
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Effect of feeding hemp seed and hemp seed oil on laying hen performance and egg yolk fatty acid content: Evidence of their safety and efficacy for laying hen diets.  (full – 2012)  http://ps.oxfordjournals.org/content/91/3/701.long


Toxicities from Illicit and Abused Drugs (dogs)  (article – 2012)
http://www.merckmanuals.com/vet/toxicology/toxicities_from_human_drugs/toxicities_from_illicit_and_abused_drugs.html


Alterations of endocannabinoids in cerebrospinal fluid of dogs with epileptic seizure disorder.  (full – 2013)  http://www.biomedcentral.com/content/pdf/1746-6148-9-262.pdf


Involvement of nitric oxide through endocannabinoids release in microglia activation during the course of CNS regeneration in the medicinal leech.  (abst – 2013)  http://www.ncbi.nlm.nih.gov/pubmed/23355252


Marijuana waste helps turn pot-eating pigs into tasty pork roast (news – 2013)  http://www.reuters.com/article/2013/05/20/us-usa-marijuana-pigs-idUSBRE94J0PL20130520


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

Neuroprotective Effect of(−)Δ9-Tetrahydrocannabinol and Cannabidiol in N-Methyl-d-Aspartate-Induced Retinal Neurotoxicity - Involvement of Peroxynitrite  
(full - 2003)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1892413/?tool=pmcentrez

Dexanabinol (HU-211) has a beneficial effect on axonal sprouting and survival after rat optic nerve crush injury.  

Cannabis improves night vision: a case study of dark adaptometry and scotopic sensitivity in kif smokers of the Rif mountains of northern Morocco.  

Cannabidiol Preserves Retinal Neurons and Reduces Vascular Permeability in Experimental Diabetes  
(abst - 2004)  http://abstracts iovs.org/cgi/content/abstract/45/5/860?maxto show=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1760&resourcetype=HWCIT

When spliff gets in your eyes...  

In-vitro corneal permeation of cannabinoids and their water-soluble phosphate ester prodrugs.  

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

Neuroprotective and Blood-Retinal Barrier-Preserving Effects of Cannabidiol in Experimental Diabetes  
(full - 2006)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1592672/?tool=pubmed

R(+)-methanandamide and other cannabinoids induce the expression of cyclooxygenase-2 and matrix metalloproteinases in human nonpigmented ciliary epithelial cells.  
(full – 2006)  http://jpet.aspetjournals.org/content/316/3/1219.long

Changes in endocannabinoid and palmitoylethanolamide levels in eye tissues of patients with diabetic retinopathy and age-related macular degeneration.  

Marijuana Compound May Help Stop Diabetic Retinopathy  

Getting Eye On Cannabinoids  
Marijuana compound could prevent eye damage in diabetics  (news - 2006)

Endocannabinoids in the retina: From marijuana to neuroprotection.  (full - 2008)
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Neuroprotective effects of cannabidiol in endotoxin-induced uveitis: critical role of p38 MAPK activation.  (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2592995/?tool=pubmed

Topical WIN55212-2 alleviates intraocular hypertension in rats through a CB1 receptor mediated mechanism of action.  (full – 2008)
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Mediation of Cannabidiol anti-inflammation in the Retina by Equilibrative Nucleoside Transporter and A2A Adenosine Receptor  (full - 2008)
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Reduction of Congenital Nystagmus in a Patient after Smoking Cannabis.  (abst - 2008)


The role of endocannabinoid system in physiological and pathological processes in the eye  (abst - 2008)
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Cannabidiol As a Putative Novel Therapy for Diabetic Retinopathy: A Postulated Mechanism of Action as an Entry Point for Biomarker-Guided Clinical Development.  (full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2955420/?tool=pubmed


Cannabidiol protects retinal neurons by preserving glutamine synthetase activity in diabetes.  (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2925907/?tool=pubmed


Epidermal growth factor receptor transactivation by the cannabinoid receptor (CB1) and transient receptor potential vanilloid 1 (TRPV1) induces differential responses in corneal epithelial cells.  


Mutations in ABHD12 cause the neurodegenerative disease PHARC: An inborn error of endocannabinoid metabolism.  

Indirect Sympatholytic Actions at β-Adrenoceptors Account for the Ocular Hypotensive Actions of Cannabinoid Receptor Agonists  

2-Arachidonoylglycerol (2-AG) Induces Corneal Epithelial Cell Migration via Cannabinoid CB1 Receptors  

Endocannabinoid CB1 receptors modulate visual output from the thalamus.  

Comparison Of Rat And Human Eyes For The Presence And Distribution Of Cb1 And Cb2 Receptors  

Enhanced solubility, stability, and transcorneal permeability of delta-8-tetrahydrocannabinol in the presence of cyclodextrins.  

Nonpsychotropic Cannabinoids, Abnormal Cannabidiol and Canabigerol-Dimethyl Heptyl, Act at Novel Cannabinoid Receptors to Reduce Intraocular Pressure.  

Palmitoylethanolamide effects on intraocular pressure after Nd:YAG laser iridotomy: an experimental clinical study.  

Effects of Palmitoylethanolamide on Aqueous Humor Outflow.  

Cannabinoid receptor 1 suppresses transient receptor potential vanilloid 1-induced inflammatory responses to corneal injury.
GPR158/179 regulate G protein signaling by controlling localization and activity of the RGS7 complexes. (full – 2012) http://jcb.rupress.org/content/197/6/711.long

Expression and localization of the cannabinoid receptor type 1 and the enzyme fatty acid amide hydrolase in the retina of vervet monkeys. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22142900


Effectiveness of palmitoylethanolamide on endothelial dysfunction in ocular hypertensive patients: a randomized, placebo-controlled cross-over study. (full – 2013) http://www.iovs.org/content/54/2/968.long

Roles of cannabinoid receptors type 1 and 2 on the retinal function of adult mice. (full – 2013) http://www.iovs.org/content/54/13/8079.long


Signaling cross-talk between cannabinoid and muscarinic systems actives Rho-kinase and increases the contractile responses of the bovine ciliary muscle (abst – 2013)
Neuroprotective effects of topical CB1 agonist WIN 55212-2 on Retinal ganglion cells after acute rise in intraocular pressure induced ischemia in rat.  (abst – 2013)

The fatty acid amide hydrolase inhibitor, URB597, promotes retinal ganglion cell neuroprotection in a rat model of optic nerve axotomy.  (abst – 2013)

Effect of Cannabinoids and MethoxyPolyethylene Glycols on Aqueous Humor Outflow and Vascular Tone  (abst – 2013)
http://www.fasebj.org/cgi/content/meeting_abstract/27/1_MeetingAbstracts/lb541?sid=eea722c0-971c-4daa-8b8c-38c0c63e19ad


WILSON'S DISEASE

WITHDRAWAL SYNDROME *

Which drugs are the most addictive? (chart – undated)
http://www.druglibrary.org/schaffer/Library/basicfax5.htm

Abstinence symptoms during withdrawal from chronic marijuana use. (abst – 2000)

Marijuana abstinence effects in marijuana smokers maintained in their home environment. (full – 2001)
http://archpsyc.ama-assn.org/cgi/content/full/58/10/917


A Within-Subject Comparison of Withdrawal Symptoms During Abstinence From Cannabis, Tobacco, and Both Substances (full - 2008) http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2214670&tool=pmcentre


The FAAH inhibitor URB-597 ameliorates cannabinoid withdrawal in mice (abst - 2008) http://www.fasebj.org/cgi/content/meeting_abstract/22/1_MeetingAbstracts/711.6?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=720&resourcetype=HWCIT

Pot, Tobacco Withdrawal Equally Rough (news - 2008)
Withdrawal Phenomena and Dependence Syndrome After the Consumption of "Spice Gold"  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2719097/?tool=pmcentrez

Actions of delta-9-tetrahydrocannabinol in cannabis  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2731700/?tool=pmcentrez

Cannabis withdrawal severity and short-term course among cannabis-dependent adolescent and young adult inpatients  (abst - 2009)  

Tips for Cutting Back  (news – 2009)  
http://www.heretohelp.bc.ca/visions/cannabis-vol6/tips-for-cutting-back

Information for Health Care Professionals- Marihuana (marijuana, cannabis)  dried plant for administration by ingestion or other means  (Health Canada)  (full – 2010)  

Rimonabant-induced Delta9-tetrahydrocannabinol withdrawal in rhesus monkeys: discriminative stimulus effects and other withdrawal signs.  (full – 2010)  

Anxiety-like effects of SR141716-precipitated delta9-tetrahydrocannabinol withdrawal in mice in the elevated plus-maze.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3923489/

The fatty acid amide hydrolase inhibitor URB 597: interactions with anandamide in rhesus monkeys.  (full – 2011)  

Antagonist-elicited cannabis withdrawal in humans.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3717344/

A genetic perspective on the proposed inclusion of cannabis withdrawal in DSM-5.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3733446/

A proof-of-concept randomized controlled study of gabapentin: effects on cannabis use, withdrawal and executive function deficits in cannabis-dependent adults.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3358737/

Cannabidiol for the treatment of cannabis withdrawal syndrome: a case report  (abst – 2012)  

Electroacupuncture inhibits CB1 upregulation induced by ethanol withdrawal in mice.  (abst – 2012)  
Anticonvulsant Drug Helps Marijuana Smokers Kick the Habit  (news – 2012)
http://www.sciencedaily.com/releases/2012/04/120424095651.htm

Nabilone decreases marijuana withdrawal and a laboratory measure of marijuana relapse.
(full – 2013)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3682150/

Dual Inhibition of Endocannabinoid Catabolic Enzymes Produces Enhanced Anti- Withdrawal Effects in Morphine-Dependent Mice.  (full – 2013)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3303065

Suspected Dronabinol Withdrawal in an Elderly Cannabis-Naive Medically Ill Patient


Palmitoylethanolamide: From endogenous cannabimimetic substance to innovative medicine for the treatment of cannabis dependence.  (abst – 2013)

The Synthetic Cannabinoid Withdrawal Syndrome.  (abst – 2013)


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

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

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

'Legal high' users turn to real thing  (news – 2013)

Baclofen in the management of cannabis dependence syndrome.  (full – 2014)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3896138/

The effect of AM281, a cannabinoid antagonist, on memory performance during spontaneous morphine withdrawal in mice  (full – 2014)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3895301/


Effects of opioids and cannabinoids during chronic morphine treatment in rhesus monkeys (abst – 2014) [http://www.fasebj.org/content/28/1_Supplement/658.3.abstract?sid=467bb529-0ecc-4ddc-af27-3f56f520a102](http://www.fasebj.org/content/28/1_Supplement/658.3.abstract?sid=467bb529-0ecc-4ddc-af27-3f56f520a102)

The FAAH inhibitor PF-04457845 has THC-like rewarding and reinstatement effects in squirrel monkeys and increases dopamine levels in the nucleus accumbens shell in rats (abst – 2014) [http://www.fasebj.org/content/28/1_Supplement/838.6.abstract?sid=db987fd0-3ef0-4796-aff6-4103f0c84daf](http://www.fasebj.org/content/28/1_Supplement/838.6.abstract?sid=db987fd0-3ef0-4796-aff6-4103f0c84daf)

**WOUNDS/ INJURIES**


A multicenter dose-escalation study of the analgesic and adverse effects of an oral cannabis extract (Cannador) for postoperative pain management. (full - 2006) [http://journals.lww.com/anesthesiology/Fulltext/2006/05000/A_Multicenter_Dose_escalation_Study_of_th_e.21.aspx](http://journals.lww.com/anesthesiology/Fulltext/2006/05000/A_Multicenter_Dose_escalation_Study_of_th_e.21.aspx)


Evidence for a Role of Endocannabinoids, Astrocytes and p38 Phosphorylation in the Resolution of Postoperative Pain (full - 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2878341/?tool=pmcentrez

Epidermal growth factor receptor transactivation by the cannabinoid receptor (CB1) and transient receptor potential vanilloid 1 (TRPV1) induces differential responses in corneal epithelial cells. (full – 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2926165/

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


Compound boosts marijuana-like chemical in the body to relieve pain at injury site (news - 2010)  http://www.eurekalert.org/pub_releases/2010-09/uoc--cbm092010.php


2-Arachidonoylglycerol (2-AG) Induces Corneal Epithelial Cell Migration via Cannabinoid CB1 Receptors (abst – 2011)  http://abstracts.iovs.org/cgi/content/abstract/52/6/1995?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCIT

Cannabinoid receptor 1 suppresses transient receptor potential vanilloid 1-induced inflammatory responses to corneal injury. (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3607947/


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**YOUNG ADULTS** – see ADOLESCENTS/ YOUNG ADULTS