Current Studies in CBD - Articles from the National Institutes of Health Library

Inhibiting bacteria growth

Antibacterial cannabinoids from Cannabis sativa: a structure-activity study.
http://www.ncbi.nlm.nih.gov/pubmed/18681481

Reducing blood sugar levels

CBD compound in cannabis could treat diabetes, researchers suggest
http://www.diabetes.co.uk/news/2015/Apr/cbd-compound-in-cannabis-could-treat-diabetes,-researchers-suggest-95335970.html

Reducing vomiting and nausea

Regulation of nausea and vomiting by cannabinoids.

http://www.ncbi.nlm.nih.gov/pubmed/21175589
Interaction between non-psychotropic cannabinoids in marihuana: effect of cannabigerol (CBG) on the anti-nausea or anti-emetic effects of cannabidiol (CBD) in rats and shrews.
https://www.ncbi.nlm.nih.gov/pubmed/21243485

Cannabidiol, a non-psychotropic component of cannabis, attenuates vomiting and nausea-like behaviour via indirect agonism of 5-HT(1A) somatodendritic autoreceptors in the dorsal raphe nucleus.
https://www.ncbi.nlm.nih.gov/pubmed/21827451

Cannabidiol, a non-psychotropic component of cannabis, attenuates vomiting and nausea-like behaviour via indirect agonism of 5-HT(1A) somatodendritic autoreceptors in the dorsal raphe nucleus.

http://www.ncbi.nlm.nih.gov/pubmed/21827451/

Reducing seizures and convulsion

Cannabidiol as an emergent therapeutic strategy for lessening the impact of inflammation on oxidative stress.

http://www.ncbi.nlm.nih.gov/pubmed/21238581

Pure cannabidiol in the treatment of malignant migrating partial seizures in infancy: a case report.
http://www.ncbi.nlm.nih.gov/pubmed/25882081
Cannabidiol rescues acute hepatic toxicity and seizure induced by cocaine.

	http://www.ncbi.nlm.nih.gov/pubmed/25999668
Anti-inflammatory / antioxidative	Anti-inflammatory effects of the cannabidiol derivative dimethylheptyl-cannabidiol - studies in BV-2 microglia and encephalitogenic T cells. http://www.ncbi.nlm.nih.gov/pubmed/26540221 Cannabidiol (CBD) and its analogs: a review of their effects on inflammation http://www.ncbi.nlm.nih.gov/pubmed/25703248 Anti-inflammatory and antioxidant effects of a combination of cannabidiol and moringin in LPS-stimulated macrophages. http://www.ncbi.nlm.nih.gov/pubmed/27215129
Wakefulness	The nonpsychoactive Cannabis constituent cannabidiol is a wake-inducing agent. http://www.ncbi.nlm.nih.gov/pubmed/19045957 Potential Effects of Cannabidiol as a Wake-Promoting Agent http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4023456/
Reducing risk of artery blockage	Cannabidiol, a nonpsychoactive Cannabis constituent, protects against myocardial ischemic reperfusion injury. http://www.ncbi.nlm.nih.gov/pubmed/17890433
Inhibiting tumors/cancer	Cannabidiol as potential anticancer drug http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3579246/ The Antitumor Activity of Plant-Derived Non-Psychoactive Cannabinoids. http://www.ncbi.nlm.nih.gov/pubmed/25916739 Cannabis and Cannabinoids http://www.ncbi.nlm.nih.gov/pubmedhealth/PMH0032740/
Psoriasis	Cannabinoids inhibit human keratinocyte proliferation through a non-CB1/CB2 mechanism and have a potential therapeutic value in the treatment of psoriasis. http://www.ncbi.nlm.nih.gov/pubmed/17157480
Tranquilizing, managing psychosis	The relationship between cannabidiol and psychosis: A review. http://www.ncbi.nlm.nih.gov/pubmed/25954940

	A critical review of the antipsychotic effects of cannabidiol: 30 years of a translational investigation. http://www.ncbi.nlm.nih.gov/pubmed/22716160
Antipsychotic	Could cannabidiol be used as an alternative to antipsychotics? https://www.ncbi.nlm.nih.gov/pubmed/27267317 Cannabidiol attenuates haloperidol-induced catalepsy and c-Fos protein expression in the dorsolateral striatum via 5-HT1A receptors in mice. http://www.ncbi.nlm.nih.gov/pubmed/27131780 Fluorinated Cannabidiol Derivatives: Enhancement of Activity in Mice Models Predictive of Anxiolytic, Antidepressant and Antipsychotic Effects. https://www.ncbi.nlm.nih.gov/pubmed/?term=Fluorinated+Cannabidiol+Derivatives%3A A systematic review of the antipsychotic properties of cannabidiol in humans. https://www.ncbi.nlm.nih.gov/pubmed/25667194 Multiple mechanisms involved in the large-spectrum therapeutic potential of cannabidiol in psychiatric disorders http://www.ncbi.nlm.nih.gov/pubmed/23108553
Neuropsychiatric disorders	Cannabidiol Modulates Fear Memory Formation Through Interactions with Serotonergic Transmission in the Mesolimbic System. https://www.ncbi.nlm.nih.gov/pubmed/27296152
Anxiolytic, Antidepressant and Antipsychotic	Cannabidiol, a Cannabis sativa constituent, as an anxiolytic drug. http://www.ncbi.nlm.nih.gov/pubmed/22729452 Fluorinated Cannabidiol Derivatives: Enhancement of Activity in Mice Models Predictive of Anxiolytic, Antidepressant and Antipsychotic Effects https://www.ncbi.nlm.nih.gov/pubmed/?term=Fluorinated+Cannabidiol+Derivatives%3A https://www.projectcbd.org/anxiety Endocannabinoid system: Role in depression, reward and pain control (Review). http://www.ncbi.nlm.nih.gov/pubmed/27484193
Drug addiction, anxiety, and depression.	Beyond the CB1 Receptor: Is Cannabidiol the Answer for Disorders of Motivation?

	http://www.ncbi.nlm.nih.gov/pubmed/27023732
Schizophrenia	Does cannabidiol have a role in the treatment of schizophrenia? https://www.ncbi.nlm.nih.gov/pubmed/27374322 Cannabinoids and schizophrenia: therapeutic prospects. http://www.ncbi.nlm.nih.gov/pubmed/23829368
Alzheimers	The therapeutic potential of the phytocannabinoid cannabidiol for Alzheimer's disease. https://www.ncbi.nlm.nih.gov/pubmed/27471947 https://www.ncbi.nlm.nih.gov/pubmed/27471947 Long-term cannabidiol treatment prevents the development of social recognition memory deficits in Alzheimer's disease transgenic mice.
OCD anti-compulsive	Fluorinated Cannabidiol Derivatives: Enhancement of Activity in Mice Models Predictive of Anxiolytic, Antidepressant and Antipsychotic Effects. https://www.ncbi.nlm.nih.gov/pubmed/?term=Fluorinated+Cannabidiol+Derivatives%3A
Panic attacks	Evidences for the anti-panic actions of Cannabidiol. http://www.ncbi.nlm.nih.gov/pubmed/27157263
MS	Purified Cannabidiol, the main non-psychotropic component of Cannabis sativa, alone, counteracts neuronal apoptosis in experimental multiple sclerosis. http://www.ncbi.nlm.nih.gov/pubmed/26744883
Regulating the immune system	The Profile of Immune Modulation by Cannabidiol (CBD) Involves Deregulation of Nuclear Factor of Activated T Cells (NFAT) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2748879/ Pathways and gene networks mediating the regulatory effects of cannabidiol, a nonpsychoactive cannabinoid, in autoimmune T cells. http://www.ncbi.nlm.nih.gov/pubmed/27256343
IBD	CBD & Inflammatory Bowel Disease

	http://cornerstonecollective.com/cbd-inflammatory-bowel-disease/
Bone growth / fracture healing	Cannabidiol, a Major Non-Psychotropic Cannabis Constituent Enhances Fracture Healing and Stimulates Lysyl Hydroxylase Activity in Osteoblasts. http://www.ncbi.nlm.nih.gov/pubmed/25801536
Pediatric epilepsy	CBD-enriched medical cannabis for intractable pediatric epilepsy: The current Israeli experience. http://www.ncbi.nlm.nih.gov/pubmed/26800377 Perceived efficacy of cannabidiol-enriched cannabis extracts for treatment of pediatric epilepsy: A potential role for infantile spasms and Lennox-Gastaut syndrome. http://www.ncbi.nlm.nih.gov/pubmed/25935511
Epilepsy	Cannabidiol: Promise and Pitfalls http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4189631/
Encephalomyelitis	HU-446 and HU-465, Derivatives of the Non-psychoactive Cannabinoid Cannabidiol, Decrease the Activation of Encephalitogenic T Cells. http://www.ncbi.nlm.nih.gov/pubmed/26259697 A new formulation of cannabidiol in cream shows therapeutic effects in a mouse model of experimental autoimmune encephalomyelitis. http://www.ncbi.nlm.nih.gov/pubmed/26489494
Arthritis	Transdermal cannabidiol reduces inflammation and pain-related behaviours in a rat model of arthritis. http://www.ncbi.nlm.nih.gov/pubmed/26517407
Organ rejection	Cannabidiol limits Tcell-mediated chronic autoimmune myocarditis: implications to autoimmune disorders and organ transplantation. http://www.ncbi.nlm.nih.gov/pubmed/26772776
Dravets Syndrome	Analysis of endocannabinoid signaling elements and related proteins in lymphocytes of patients with Dravet syndrome. http://www.ncbi.nlm.nih.gov/pubmed/27069631

Acne & seborrhea	Differential effectiveness of selected non-psychotropic phytocannabinoids on human sebocyte functions implicates their introduction in dry/seborrheic skin and acne treatment. http://www.ncbi.nlm.nih.gov/pubmed/27094344
neuroprotective	Cannabidiol increases survival and promotes rescue of cognitive function in a murine model of cerebral malaria. http://www.ncbi.nlm.nih.gov/pubmed/25595981
Pulmonary	Cannabidiol improves lung function and inflammation in mice submitted to LPS-induced acute lung injury. http://www.ncbi.nlm.nih.gov/pubmed/25356537
Parkinsons	Effects of cannabidiol in the treatment of patients with Parkinson's disease: an exploratory double-blind trial. https://www.ncbi.nlm.nih.gov/pubmed/25237116