**Amyotrophic Lateral Sclerosis (ALS)**

Marijuana in the management of amyotrophic lateral sclerosis: https://www.researchgate.net/profile/Gregory\_Carter3/publication/11875440\_Marijuana\_in\_the\_management\_of\_amyotrophic\_lateral\_sclerosis/links/0912f50e395ff05283000000.pdf

### **Antibacterial**

[Antibacterial Cannabinoids from Cannabis Sativa](https://halcyonorganics.com/wp-content/uploads/2014/01/Antibacterial-Cannabinoids-from-Cannabis-Sativa.pdf)

[CB1 receptor antagonist inhibits macrophage infection](https://halcyonorganics.com/wp-content/uploads/2014/01/CB1-receptor-antagonist-inhibits-macrophage-infection.pdf)

**Anorexia/ Cachexia**

Pacher P, Bátkai S, Kunos G: The endocannabinoid system as an emerging target of pharmacotherapy. Pharmacol Rev 58 (3): 389-462, 2006.

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2241751/pdf/nihms38123.pdf

Darmani NA: Delta(9)-tetrahydrocannabinol and synthetic cannabinoids prevent emesis produced by the cannabinoid CB(1) receptor antagonist/inverse agonist SR 141716A. Neuropsychopharmacology 24 (2): 198-203, 2001.

http://www.nature.com/npp/journal/v24/n2/pdf/1395605a.pdf

Darmani NA: Delta-9-tetrahydrocannabinol differentially suppresses cisplatin-induced emesis and indices of motor function via cannabinoid CB(1) receptors in the least shrew. Pharmacol Biochem Behav 69 (1-2): 239-49, 2001 May-Jun.

[PUBMEDAbstract] http://www.ncbi.nlm.nih.gov/pubmed/11420092?dopt=Abstract

Parker LA, Kwiatkowska M, Burton P, et al.: Effect of cannabinoids on lithium-induced vomiting in the Suncus murinus (house musk shrew). Psychopharmacology (Berl) 171 (2): 156-61, 2004. [PUBMED Abstract] http://www.ncbi.nlm.nih.gov/pubmed/13680081?dopt=Abstract

**Cancer-Related Anorexia-Cachexia**

Comparison of Orally Administered Cannabis Extract and Delta-9-Tetrahydrocannabinol:

http://jco.ascopubs.org/content/24/21/3394.full.pdf+html

Optimal management of cancer anorexia–cachexia syndrome:

http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.292.7852&rep=rep1&type=pdf

**Arthritis**

Expression of cannabinoid receptor 2 and its inhibitory effects on synovial fibroblasts in rheumatoid arthritis: [http://rheumatology.oxfordjournals.org/content/53/5/802.full.pdf+html](http://rheumatology.oxfordjournals.org/content/53/5/802.full.pdf%2Bhtml)

Cannabinoid CB2 Receptors Regulate Central Sensitization and Pain Responses Associated with Osteoarthritis of the Knee Joint: http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3840025/pdf/pone.0080440.pdf

**Bone Health**

[Endocannabinoids regulate bone metabolism](https://halcyonorganics.com/wp-content/uploads/2014/01/Endocannabidoids-regulate-bone-metabolism.pdf)

[Cannabinoid Receptors as Target for Treatment of Osteoporosis](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabinoid-Receptors-as-Target-for-Treatment-of-Osteoporosis.pdf)

[CB2 Regulates Bone Mass](https://halcyonorganics.com/wp-content/uploads/CB2-Regulates-bone-mass.pdf)

**Cancer**

[Cannabidiol Induces Programmed Cell Death in Breast Cancer](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabidiol-Induces-Programmed-Cell-Death-in-Breast-Cancer.pdf)

[Cannabidiol as Anti-cancer Drug](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabidiol-as-Anti-cancer-Drug.pdf)

[Cannabidiol Inhibits Lung Cancer Cell Invasion and Metastasis](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabidiol-Inhibits-Lung-Cancer-Cell-Invasion-and-metastasis.pdf)

[CBD Inhibits Angiogenesis by Multiple Mechanisms](https://halcyonorganics.com/wp-content/uploads/2014/01/CBD-Inhibits-Angiogenesis-by-Multiple-Mechanisms.pdf)

[Cannabis Extract Treatment for Terminal Acute Leukemia](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabis-Extract-Treatment-for-Terminal-Acute-Leukemia.pdf)

[CBD Inhibits Growth and Induces Programmed Cell Death in Kaposi Sarcoma](https://halcyonorganics.com/wp-content/uploads/2014/01/CBD-Inhibits-Growth-and-Induces-Programmed-Cell-Death-in-Kaposi-Sarcoma.pdf)

[Tumor Apoptosis in Colon Cancer](https://halcyonorganics.com/wp-content/uploads/2014/01/Tumor-Apoptosis-in-Colon-Cancer.pdf)

[Antitumor Effects of Cannabidiol on Human Glioma Cell Lines](https://halcyonorganics.com/wp-content/uploads/2014/01/Antitumor-Effects-of-Cannabidiol-on-Human-Glioma-Cell-Lines.pdf)

[Glioblastoma Multiforme](https://halcyonorganics.com/wp-content/uploads/2014/01/Glioblastoma-Multiforme.pdf)

[Combined Therapy of Cannabinoids and Temozolomide against Glioma](https://halcyonorganics.com/wp-content/uploads/2014/01/Combined-Therapy-of-Cannabinoids-and-Temozolomide-against-Glioma.pdf)

[Cannabidiol Antitumor activity on Breast Cancer](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabidiol-Antitumor-activity-on-Breast-Cancer.pdf)

[Cannabinoids Reduce Breast Cancer Progression](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabinoids-Reduce-Breast-Cancer-Progression.pdf)

[Cannabidiol reduces breast cancer cell proliferation, invasion, metastasis](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabidiol-reduces-breast-cancer-cell-proliferation-invasion-metastasis.pdf)

[Endocannabinoid anandamide inhibits breast cancer cell proliferation](https://halcyonorganics.com/wp-content/uploads/2014/01/Endocannabinoid-anandamide-inhibits-breast-cancer-cell-proliferation.pdf)

[THC inhibits epithelial growth factor induced lung cancer cell migration](https://halcyonorganics.com/wp-content/uploads/2014/01/THC-inhibits-epithelial-growth-factor-induced-lung-cancer-cell-migration.pdf)

[Cannabidiol CBD inhibits lung cancer cell invasion metastasis](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabidiol-CBD-inhibits-lung-cancer-cell-invasion-metastasis.pdf)

[Cannabinoid Receptors inhibit non-small cell lung cancer growth and metastasis](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabinoid-Receptors-inhibit-non-small-cell-lung-cancer-growth-and-metastasis.pdf)

[Non-THC cannabinoids inhibit prostate carcinoma growth](https://halcyonorganics.com/wp-content/uploads/2014/01/Non-THC-cannabinoids-inhibit-prostate-carcinoma-growth.pdf)

[Cannabinoid receptor-mediated apoptosis in Mantle Cell Lymphoma](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabinoid-receptor-mediated-apoptosis-in-Mantle-Cell-Lymphoma.pdf)

[CB1 and CB2 receptor activation inhibits Non-Hodgkin Lymphoma growth](https://halcyonorganics.com/wp-content/uploads/2014/01/CB1-and-CB2-receptor-activation-inhibits-Non-Hodgkin-Lymphoma-growth.pdf)

[THC induces apoptosis in Jurkat Leukemia](https://halcyonorganics.com/wp-content/uploads/2014/01/THC-induces-apoptosis-in-Jurkat-Leukemia.pdf)

[Cannabinoids Induce Apoptosis of Pancreatic Tumor Cells](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabinoids-Induce-Apoptosis-of-Pancreatic-Tumor-Cells.pdf)

[Anti-tumoral action of cannabinoids on hepatocellular carcinoma](https://halcyonorganics.com/wp-content/uploads/2014/01/Anti-tumoral-action-of-cannabinoids-on-hepatocellular-carcinoma.pdf)

[Cannabis and Cancer](https://halcyonorganics.com/wp-content/uploads/Cannabis-and-Cancer.pdf)

[Cannabidiol-Induced Apoptosis in Human Leukemia Cells](http://molpharm.aspetjournals.org/content/70/3/897.full.pdf%2Bhtml)

[Targeting CB2 cannabinoid receptors as a novel therapy to treat malignant lymphoblastic disease](http://web.uvic.ca/~aallen/marijuana/article4.pdf)

[Cannabis Extract Treatment for Terminal Acute Lymphoblastic Leukemia with a Philadelphia Chromosome Mutation](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3901602/pdf/cro-0006-0585.pdf)

[Cannabinoids Protect Cells from Oxidative Cell Death: A Receptor-Independent Mechanism](http://jpet.aspetjournals.org/content/293/3/807.full.pdf%2Bhtml)

[Enhancing the Activity of Cannabidiol and Other Cannabinoids In Vitro Through Modifications to Drug Combinations and Treatment Schedules](http://theroc.us/images/Enhancing%20the%20Activity%20of%20Cannabidiol%20and%20Other%20Cannabinoids%20In%20Vitro%20Through%20Modifications%20to%20Drug%20Combinations%20and%20Treatment%20Schedules.pdf)

[Dronabinol has preferential antileukemic activity in acute lymphoblastic and myeloid leukemia with lymphoid differentiation patterns](http://theroc.us/images/Dronabinol%20has%20preferential%20antileukemic%20activity%20in%20acute%20lymphoblastic%20and%20myeloid%20leukemia%20with%20lymphoid%20differentiation%20patterns.pdf)

[Tetrahydrocannabinol-Induced Apoptosis in Jurkat Leukemia T Cells Is Regulated by Translocation of Bad to Mitochondria](http://theroc.us/images/D9-Tetrahydrocannabinol-Induced%20Apoptosis%20in%20Jurkat%20Leukemia%20T%20Cells%20Is%20Regulated%20by%20Translocation%20of%20Bad%20to%20Mitochondria.pdf)

[Tumor Necrosis Factor activation of vagal afferent terminal calcium is blocked by cannabinoids](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3342927/pdf/nihms370512.pdf)

### **Cannabis General Medicinal Benefits:**

[Therapeutic aspects of cannabis and cannabinoids](https://halcyonorganics.com/wp-content/uploads/2014/01/Therapeutic-aspects-of-cannabis-and-cannabinoids.pdf)

[Cannabidiol in Humans as Therapeutic Targets](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabidiol-in-Humans-as-Therapeutic-Targets.pdf)

[Cannabinoids in Health and Disease](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabinoids-in-Health-and-Disease.pdf)

[Cannabis and endocannabinoid modulators – Therapeutic promises and challenges](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabis-and-endocannabinoid-modulators-Therapeutic-promises-and-challenges.pdf)

[Cannabis synergy and phytocannabinoid-terpenoid entourage effects](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabis-synergy-and-phytocannabinoid-terpenoid-entourage-effects.pdf)

The Therapeutic Potential of Cannabis and Cannabinoids: <http://www.medicinalgenomics.com/wp-content/uploads/2011/12/therapeutic_potential.pdf>

Integrating cannabis into clinical cancer care:http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4791148/pdf/conc-23-s8.pdf

Medical Marijuana and Other Cannabinoids:

http://www.netce.com/coursecontent.php?courseid=1129

**Cervical Dystonia (Spasmodic Torticollis)**

**Chronic Pain**

Chronic Pain is a Chronic Condition, Not Just a Symptom:

<https://www.thepermanentejournal.org/files/Summer2005/pain2.pdf>

[Endocannabinoid System and Pain](https://halcyonorganics.com/wp-content/uploads/2014/01/Endocannabinoid-System-and-Pain.pdf)

Cannabinoids in the management of difficult to treat pain

http: //www.ncbi.nlm.nih.gov/pmc/articles/PMC2503660/pdf/tcrm-0401-245.pdf

**Crohn’s Disease**

[Cannabis Induces Clinical Response in Crohn’s Disease](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabis-Induces-Clinical-Response-in-Crohns-Disease.pdf)

[Cannabinoids Alleviate Intestinal Inflammation](https://halcyonorganics.com/wp-content/uploads/Cannabinoids-Alleviate-Intenstinal-Inflammation.pdf)

### **Diabetes, Obesity, Metabolism**

[Impact of marijuana on diabetes in adults](https://halcyonorganics.com/wp-content/uploads/2014/01/Impact-of-marijuana-on-diabetes-in-adults.pdf)

Glucose, Insulin, and Insulin Resistance. http://www.amjmed.com/article/S0002-9343(13)00200-3/pdf

Decreased prevalence of diabetes in marijuana users:http://bmjopen.bmj.com/content/2/1/e000494.full.pdf+html

Obesity and Cannabis Use: [http://aje.oxfordjournals.org/content/174/8/929.full.pdf+html](http://aje.oxfordjournals.org/content/174/8/929.full.pdf%2Bhtml)

Cannabis Use in Relation to Obesity and Insulin Resis tancein the Inuit Population: <http://onlinelibrary.wiley.com/doi/10.1002/oby.20973/epdf>

The Endocannabinoid System in Energy Homeostasis and the Etiopathology of Metabolic Disorders: http://www.sciencedirect.com/science/article/pii/S1550413113001034

**Epilepsy**

[CBD Displays Anti Epileptiform and Antiseizure Properties In Vitro and In Vivo](https://halcyonorganics.com/wp-content/uploads/2014/01/CBD-Displays-Antiepileptiform-and-Antiseizure-Properties-In-Vitro-and-In-Vivo.pdf)

[Cannabidivarin (CBDV) suppresses PTZ-induced increases in epilepsy-relate gene expression](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabidivarin-CBDV-suppresses-PTZ-induced-increases-in-epilepsy-relate-gene-expression.pdf)

[Cannabidivarin (CBDV) is Anticonvulsant in Mouse and Rat](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabidivarin-CBDV-is-Anticonvulsant-in-Mouse-and-Rat.pdf)

### **Endocannabinoid System (ECS)**

[Clinical Endocannabinoid Deficiency Syndrome](https://halcyonorganics.com/wp-content/uploads/2014/01/Clinical-Endocannabinoid-Deficiency-Syndrome.pdf)

[Endocannabinoid Anxiety and Depression](https://halcyonorganics.com/wp-content/uploads/2014/01/Endocannabinoid-Anxiety-and-Depression.pdf)

[Phytocannabinoids and CB1 and CB2 receptors](https://halcyonorganics.com/wp-content/uploads/Phytocannabinoids-and-CB1-and-CB2-receptors.pdf)

### **Fibromyalgia**

[Cannabis treatment in fibromyalgia patients](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabis-treatment-in-fibromyalgia-patients.pdf)

**Glaucoma**

Cannabinoids and glaucoma:

http://bjo.bmj.com/content/88/5/708.full.pdf+html

**Hepatitis C**

Cannabis use improves retention and virological outcomes in patients treated for hepatitis C:http://safeaccess.ca/research/pdf/SylvestreCannabisHepC.pdf

**HIV/ AIDS**

[Cannabinoid Administration Attenuates the Progression of Simian Immunodeficiency Virus](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabinoid-Administration-Attenuates-the-Progression-of-Simian-Immunodeficiency-Virus.pdf)

**Hospice Care**

**Huntington’s Disease**

# An Overview of Huntington’s Disease and Cannabis, Medical Jane:

<https://www.medicaljane.com/2014/11/18/huntingtons-disease-and-medical-marijuana/>

**Immune**

# [**Cannabinoid-induced apoptosis in immune cells as a pathway to immunosuppression**](http://www.sciencedirect.com/science/article/pii/S0171298509000709)

**Inclusion Body Myositis**

**Inflammation**

[Cannabidiol Protects Against Hepatic Ischemia](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabidiol-Protects-Against-Hepatic-Ischemia.pdf)

[Anti-inflammatory effects of the cannabidiol derivative dimethylheptyl-cannabidiol](https://halcyonorganics.com/wp-content/uploads/Anti-inflammatory-effects-of-the-cannabidiol-derivative-dimethylheptyl-cannabidiol.pdf)

**Intractable Nausea/ Vomiting**

Integrating cannabis into clinical cancer care:

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4791148/pdf/conc-23-s8.pdf

**Multiple Sclerosis**

[Whole plant cannabis extracts for treatment of spasticity in MS](https://halcyonorganics.com/wp-content/uploads/2014/01/Whole-plant-cannabis-extracts-for-treatment-of-spasticity-in-MS.pdf)

[Cannabinoid Modulation of Neuroinflammatory Disorders](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabinoid-Modulation-of-Neuroinflammatory-Disorders.pdf)

[CBD inhibits pathogenic T cell, decreases spinal microglial multiple sclerosis](https://halcyonorganics.com/wp-content/uploads/2014/01/CBD-inhibits-pathogenic-T-cell-decreases-spinal-microglial-multiple-sclerosis.pdf)

[Symptomatic therapy in multiple sclerosis – The of cannabinoids](https://halcyonorganics.com/wp-content/uploads/2014/01/Symptomatic-therapy-in-multiple-sclerosis-The-of-cannabinoids.pdf)

[Cannabinoid-induced apoptosis in immune cells as a pathway to immunosuppression](https://halcyonorganics.com/wp-content/uploads/2014/01/Cannabinoid-induced-apoptosis-in-immune-cells-as-a-pathway-to-immunosuppression.pdf)

[therapeutic effects experimental autoimmune encephalomyelitis](https://halcyonorganics.com/wp-content/uploads/therapeutic-effects-experimental-autoimmune-encephalomyelitis.pdf)

Cannabinoids for treatment of spasticity and other symptoms related to multiple sclerosis (CAMS study): <http://ac.els-cdn.com/S0140673603147381/1-s2.0-S0140673603147381-main.pdf?_tid=edaa08c8-4492-11e6-8249-00000aab0f27&acdnat=1467931032_6671dabbe4ac4cd0c3fccbeba4bc56c1>

(CAMS) study: safety and efficacy data for 12 months follow up: http://www-ncbi-nlm-nih-gov.ezproxy1.lib.asu.edu/pmc/articles/PMC1739436/pdf/v076p01664.pdf

**Painful Peripheral Neuropathy**

Medicinal Cannabis and Painful Sensory Neuropathy:

http://journalofethics.ama-assn.org/2013/05/pdf/oped1-1305.pdf

**Parkinson’s Disease**

Managing Parkinson’s Disease Symptoms With Medical Marijuana, Medical Jane:

https://www.medicaljane.com/2014/11/14/parkinsons-disease-and-medical-marijuana/

**PTSD**

[Endocannabinoid System as a target to treat PTSD](https://halcyonorganics.com/wp-content/uploads/2014/01/Endocannabinoid-System-as-a-target-to-treat-PTSD.pdf)

[CBD, Non-psychoactive Cannabis Sativa constituent, as anxiolytic drug](https://halcyonorganics.com/wp-content/uploads/2014/01/Non-psychoactive-CBD-Cannabis-Sativa-constiuent-as-anxiolytic-drug.pdf)

**Spinal Cord Damage with intractable Spasticity**

**Ulcerative Colitis**Impact of Cannabis Treatment on the Quality of Life, Weight and Clinical Disease Activity in Inflammatory Bowel Disease Patients: A Pilot Prospective Study

http://www.karger.com/Article/Abstract/332079