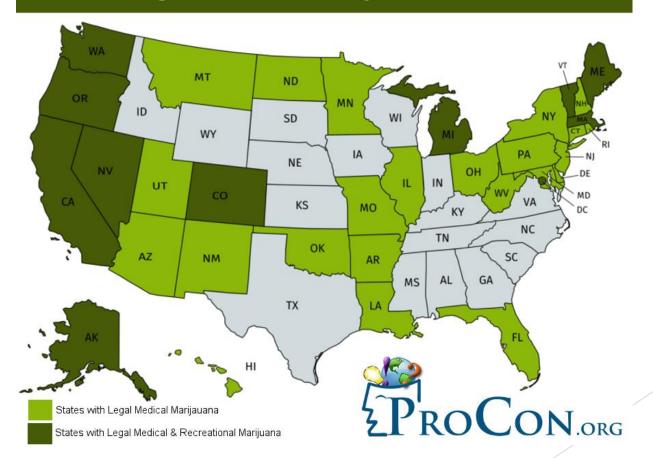
Medical Cannabis Program at Bellbrook Family Practice

Nov 14th, 2018



Updated US Cannabis Laws

33 Legal Medical Marijuana States & DC 10 Legal Recreational Marijuana States & DC

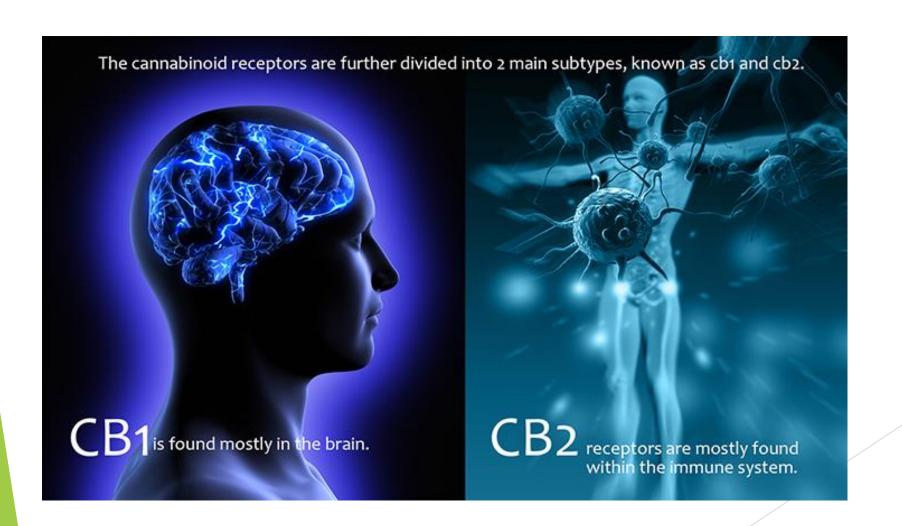


Ohio House Bill 523

- November 8th, 2016
- Will allow people with certain medical conditions, upon the recommendation of an Ohiolicensed physician certified by the State Medical Board, to purchase and use medical marijuana
- ► To be regulated by 3 government agencies:
 - **▶** Ohio Dept. of Commerce
 - **▶** State of Ohio Board of Pharmacy
 - State of Ohio Medical Board
- Recommendation, not prescription
 - Schedule I



How does it work?



Qualifying Diagnosis

- AIDS cachexia
- ► Amyotrophic lateral sclerosis (ALS)
- Alzheimer's disease
- Cancer
- Chronic pain
- Chronic traumatic encephalopathy (CTE)
- Crohn's disease
- **Epilepsy or another seizure disorder**
- Fibromyalgia
- Glaucoma
- Hepatitis C
- **▶** Inflammatory bowel disease

- Multiple sclerosis (MS)
- Parkinson's disease
- Positive status for HIV
- Post-traumatic stress disorder
- Sickle cell anemia
- Spinal cord disease or injury
- Tourette's syndrome
- Traumatic brain injury
- Ulcerative colitis

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Not on the List (yet)

- **Insomnia**
- Depression
- Anxiety
- Constipation
- Parkinsons

▶ Can petition State Medical Board for additional diagnosis

Ohio Info Video

Medical Marijuana video

How do you take it?

- ► Vaporize flower, oil, concentrates
- ► Topical creams, ointments, patches
- **▶** Oral oil, foods, drinks, lozenges



NO: smoking, conduction based vaporizers, advertising to children

No Guarantees

- **▶** Office visit and evaluation ≠ recommendation
 - **▶** Not everyone qualifies
 - Contraindications
- Doesn't work for everyone

Promise

ARTICLE IN PRESS



RESEARCH EDUCATION TREATMENT ADVOCACY



The Journal of Pain, Vol ■, No ■ (■), 2016: pp 1-6
Available online at www.ipain.org and www.sciencedirect.com

Medical Cannabis Use Is Associated With Decreased Opiate Medication Use in a Retrospective Cross-Sectional Survey of Patients With Chronic Pain

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Chronic Pain and Fatigue Research Center, Medical School, University of Michigan, Ann Arbor, Michigan.

Abstract: Opioids are commonly used to treat patients with chronic pain (CP), though there is little evidence that they are effective for long term CP treatment. Previous studies reported strong associations between passage of medical cannabis laws and decrease in opioid overdoes statewide. Our aim was to examine whether using medical cannabis for CP changed individual patterns of opioid use. Using an online questionnaire, we conducted a cross-sectional retrospective survey of 244 medical cannabis patients with CP who patronized a medical cannabis dispensary in Michigan between November 2013 and February 2015. Data collected included demographic information, changes in opioid use, quality of life, medication classes used, and medication side effects before and after initiation of cannabis usage. Among study participants, medical cannabis use was associated with a 64% decrease in opioid use (n = 118), decreased number and side effects of medications, and an improved quality of life (45%). This study suggests that many CP patients are essentially substituting medical cannabis for opioids and other medications for CP treatment, and finding the benefit and side effect profile of cannabis to be greater than these other classes of medications. More research is needed to validate this finding.

Perspective: This article suggests that using medical cannabis for CP treatment may benefit some CP patients. The reported improvement in quality of life, better side effect profile, and decreased opioid use should be confirmed by rigorous, longitudinal studies that also assess how CP patients use medical cannabis for pain management.

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Key words: Medical cannabis, opioids, chronic pain, side effects.

hronic pain (CP) is among the most common and expensive medical conditions, affecting >100 million Americans, and with total direct and indi-

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7, 2019.

(Also has parformed conculting services for and/or served on scient). Cladory loader of Prizest. III). Forest Laboratories, Johnson & Bohnson, Purdue Pharma, Nuvo, Cerephex, Tonix, Iroko, Takaeda, Cerephex, Mid. Zymetha, and Samumed. He has received grant support from Pfizer, Forest, Merck, Nuvo, and Cerephex, Dr. Litinasis the Chief Medical Officer at Om of Medicine, a medical cannabis dispensary in Ann Arbor, Michiel and Om of Medicine, a medical cannabis dispensary in Ann Arbor, Michiel Chief Medical Officer in Commandation of the Chief Medical Officer in Chief Medical Officer

Mr. Boehnke reports no conflicts of interest.

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1526-5900/\$36.00

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rect costs of up to \$635 billion per year.8 Despite their high prevalence, treatment of CP conditions is difficult. Treatments for CP conditions often require incremental lifestyle changes (exercise, sleep hygiene, stress reduction) and repeated doctor visits to monitor changes, which is increasingly challenging in the current economic and medical climate. 14 Furthermore, other potentially efficacious therapies (eg, cognitive behavioral therapy and complementary approaches) are not often covered by insurance. Finally, opioids—one of the most common medication used to treat CP-are ineffective for many types of CP, as well as being addictive and associated with significant morbidity and mortality. Indeed, opioids are the most common prescription drug implicated in overdose deaths, involved in up to 75% of overdoses, and estimated to be responsible for at least 17,000 deaths annually.11

video



Adverse Effects

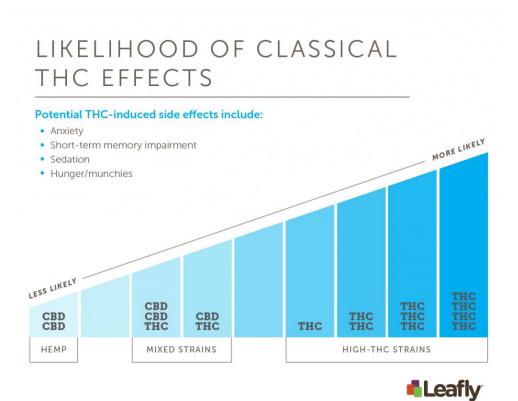
Short Term

- Euphoria/intoxication
- Short term memory
- Anxiety/paranoia
- Sedation
- Hunger
- Vehicle dependent
- Not recommended during pregnancy

Long Term

- Increased psychosis
- Lower IQ
- Dependence
- Cannabinoid Hyperemesis
- ► Heart Disease (?)

Side Effects



BFP Office Policies

- Initial Evaluation/Annual
- ► Followups Must be seen every 90 days
 - Visits dedicated to cannabis treatment/evaluations
- Payment Time of service
 - ► Annual \$200
 - ► Follow-ups in office \$100, Follow-ups phone call \$50 3 per year
 - ▶ As of now not covered by commercial insurance, Medicare, or Medcaid
 - ► Visits, product
 - Could change with re-scheduling
- Drug testing/OARRS reporting

Prior to Visit

- Diagnostics/Imaging
 - Diagnosis by specialist if epilepsy, fibromyalgia, Tourette's, etc
 - ► Imaging if chronic pain
 - Prior treatments
- **Forms**
- **ID**

Abuse Prevention



starttalking.ohio.gov

If you or someone you know is struggling with addiction, call 877-275-6364 for information and a referral.

Questions?

U\$006620507R1

(12) United States Patent Hampson et al.

(10) Patent No .:

US 6,630,507 B1

(45) Date of Patent.

Oct. 7, 2003

(54) CANNABINOIDS AS ANTIOXIDANTS AND NEUROPROTECTANTS

- (75) Inventors: Aidan J. Hampson, Irvine, CA (US); Julius Axelrod, Rockville, MD (US); Maurizio Grimaldi, Bethesda, MD (US)
- (73) Assignee: The United States of America as represented by the Department of Health and Human Services, Washington, DC (US)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- (21) Appl. No.: 09/674,028

"Assignment," in

the ownership of

one's property, i.e.,

the interest and rights

to the property. In 37

CFR 3.1, assignment of

patent rights is defined

party of all or part of its

right, title and interest

in a patent [or] patent

application..."

as "a transfer by a

general, is the act of

transferring to another

- (22) PCT Filed: Apr. 21, 1999
- (86) PCT No.: PCT/US99/08769

(2), (4) Date: Feb. 2, 2001

(87) PCT Pub. No.: WO99/53917

PCT Pub. Date: Oct. 28, 1999

Related U.S. Application Data

(60) Provisional application No. 60,082,589, filed on Apr. 21, 1998, and provisional application No. 60,095,993, filed on Aug. 10, 1998.

(51)	Int. Cl. ⁷	K 31/35
(52)	U.S. Cl	514/454
(58)	Field of Search	514/454

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568/743

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(List continued on next page.)

Primary Examiner—Kevin E. Weddington (74) Attorney, Agent, or Firm—Klarquist Sparkman, LLP

ABSTRAC

Cannabinoids have been found to have antioxidant properties, unrelated to NMDA receptor antagonism. This new found property makes cannabinoids useful in the treatment and prophylaxis of wide xariety of oxidation associated diseases, such as ischemic, age-related, inflammator and autoimmune diseases. The cannabinoids are found to have particular application as neuroprotectants, for example in limiting neurological damage following schemic insults, such as stroke and trauma, or in the treatment of neurodegenerative disease, such as Alzheimer's disease, Parkinson's disease and HIV dementia. Nourosveftoactive