

Cannabis in Medicine: An Evidence-Based Approach

Forward:

Losing Ground: The Rise of Cannabis Culture

Basic Science

1. The Properties and Use of Cannabis sativa Herb and Extracts
2. Cannabinoid and Marijuana Neurobiology
3. The Pharmacodynamics, Pharmacokinetics, and Potential Drug Interactions of Cannabinoids

Clinical Evidence

4. Cannabis and Neuropsychiatric Effects
 - 4.1 Blunted: The Effects of Cannabis on Cognition and Motivation
 - 4.2 Cannabis and Psychiatric Conditions
 - 4.3 Cannabis use and psychosis, mood, and anxiety disorders
 - 4.4 Marijuana and Suicide: Case-control Studies, Population Data, and Potential Neurochemical Mechanisms
 - 4.5 Cannabis Use Disorder, Treatment, and Recovery
5. Cannabis and the Impact on the Pediatric and Adolescent Population
 - 5.1 Cannabis and Young Pediatric Exposures
 - 5.2 Cannabis and the Teen Brain
6. Acute Emergency Department Presentations Related to Cannabis
7. Evidence of Cannabinoids in Pain
8. Cannabis in Pulmonary Medicine
 - 8.1 Cannabinoids and the Respiratory System
 - 8.2 THC and CBD Decomposition and Terpene Hazards While Vaping or Dabbing
9. Clinical Cardiovascular Effects of Cannabis Use
10. Cannabinoids in Neurologic Conditions
 - 10.1 Cannabis and Cannabinoids for the Treatment of Epilepsy
 - 10.2 Multiple Sclerosis and Cannabis - Benefits, Risks, and Special Considerations
 - 10.3 Evidence for Cannabis in Movement Disorders
 - 10.4 Cannabinoids in Neurosurgery
11. Ocular Conditions and the Endocannabinoid System
12. Cannabis in Oncology and Symptom Management
13. Cannabis in Palliative Medicine
14. Cannabis in Older Persons
15. Cannabinoids in Dermatology
16. Fetal and Neonatal Marijuana Exposure
17. Cannabinoids in Gastrointestinal Disorders
 - 17.1 Investigation of Cannabinoid Hyperemesis Syndrome: pathophysiology, treatment, and burden
 - 17.2 Investigation of the endocannabinoid system in the pathophysiology of irritable bowel syndrome and the potential use of cannabis as a complementary and alternative medicine therapy
 - 17.3 Inflammatory Bowel Disease and Cannabis
 - 17.4 Cannabis in relation to Gastroesophageal Reflux Disease
 - 17.5 Nonalcoholic Fatty Liver Disease and Cannabinoids
18. Looking at Marijuana Through the Lens of Public Health
19. Cannabis-Impaired Driving: Evidence and the Role of Toxicology Testing
20. The Legal Aspects of Marijuana as Medicine

Epilogue/Summary