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التوثيق الالكتروني والميكروفيلم

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بالرسالة صفحات
لم ترد بالأصل

Symptoms of Intoxication and Withdrawal in a sample of patients using Synthetic Cannabinoids

Thesis

Submitted for Partial Fulfillment of
Master Degree in ***Neuropsychiatry***

By

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Abb.	Full term
2-AG	2-Arachidonyl glycerol
AKI	Acute kidney injury
CB1	Cannabinoid Receptor 1
CB2	Cannabinoid Receptor 2
CBD	Cannabidiol
CDC	Center for Disease Control
CYP450	Cytochrome P450
DEA	US Drug Enforcement Administration
ECS	The endocannabinoid system
ED	Emergency Department
EMCDDA	European Monitoring Centre for Drugs and Drug Addiction
ENT	Ear, nose and Throat
GC/MS	Gas chromatography mass spectrometry
Glut	Glutamate Receptor
GTC	Generalized Tonic Clonic
ICD-11	International Classification of Diseases, 11th revision
LC-MS/MS	liquid chromatography tandem mass spectrometry
MAPK	Mitogen active protein kinase
MDMA	3,4-methylenedioxymethamphetamine
NPS	New Psychoactive Substances
SC	Synthetic Cannabinoids
THC	Δ9-tetrahydrocannabinol
TRPV1	Transient receptor potential vanilloid channels
UNODC	United Nations Office on Drugs and Crime
WHO	World Health Organization

INTRODUCTION

Cannabis has a long history of medicinal and recreational use, and is the most widely produced and consumed illicit substance worldwide according to the United Nations Office on Drugs and Crime ***(UNODC, 2015).***

The psychoactive effects of Cannabis are mainly due to Δ 9 tetrahydrocannabinol (Δ9-THC), which exhibits partial agonistic activity at CB1 cannabinoid receptors, found primarily in the central nervous system, and CB2 receptors in the periphery. Since the discovery of Δ9-THC, cannabinoids have been synthesized for biomedical research purposes because synthetic cannabinoids capable of selectively activating cannabinoid receptors hold great promise as new therapeutic agents. ***(Seely et al., 2011)***

Novel Psychoactive Substances (NPS) which contain Synthetic Cannabinoids (SCs) have recently started to be used recreationally, especially by young adults. In contrast to the decline in use of many NPSs such as the cathinones and piperazines, it appears that the number of SC users is increasing ***(Winstock et al., 2015).*** Although SC drugs mimic the psychotropic effects of cannabis, their undesired effects are unpredictable and more severe than those associated with cannabis ***(Spaderna et al., 2013).***