بسم الله الرحمن الرحيم

MONA MAGHRABY

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

MONA MAGHRABY

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

**نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
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MONA MAGHRABY

Comparative Study of Self-mutilation and Suicide between Opioid and Synthetic Cannabinoid Use Dependent Male Patients

Thesis

For Partial Fulfillment of Master Degree
in **Neuropsychiatry**

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2021

بِسْمِ اللَّهِ الرَّحْمَٰنِ الرَّحِيمِ

قَالُوا

سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم

سورة البقرة الآية: ٣٢

Acknowledgment

First and foremost, I feel always indebted to **ALLAH,** *the Most Kind and Most Merciful.*

I'd like to express my respectful thanks and profound gratitude to **Prof. Dr. Amany Haroun El Rasheed Abdel Hameed,** *Professor of Psychiatry, Faculty of Medicine -Ain Shams University for her keen guidance, kind supervision, valuable advice and continuous encouragement, which made possible the completion of this work.*

I am also delighted to express my deepest gratitude and thanks to **Prof. Dr. Mahmoud Mamdouh ElHabiby,** *Professor of Psychiatry, Faculty of Medicine -Ain Shams University, for his kind care, continuous supervision, valuable instructions, constant help and great assistance throughout this work.*

I am deeply thankful to **Ass. Prof. Dr. Hanan Hany ElRasas,** *Assistant Professor of Psychiatry, Faculty of Medicine -Ain Shams University, for her great help, active participation and guidance.*

I would like to express my hearty thanks to all my family for their support till this work was completed.

Last but not least my sincere thanks and appreciation to all patients participated in this study.

Hanan Ahmed Mansour ElSayed

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List of Abbreviations

Abb.	Full term
ACTH	Adrenocorticotropic hormone
ADHD	Attention-deficit hyperactivity disorder
BPD	Borderline personality disorder
CAREs	Community-based addiction rehabilitation electronic system
CBT	Cognitive behavioral therapy
CM	Contingency Management
CNS	Central nervous system
CR	Cognitive restructuring
CRF	Corticotropin-releasing factor
CRP	C-reactive protein
C-SSRS	Columbia Suicide Severity Rating Scale
CT	Cognitive therapy
DBT	Dialectic behavioral therapy
DD	Dual diagnosis
DEA	Drug Enforcement Administration
ED	Emergency department
ELA	Early life adversity
EMA	Ecological momentary assessment
EVA	Ethylene vinyl acetate
HAT	Heroin assisted treatment centers
HPA	Hypothalamic Pituitary Adrenal axis
HS	Highly significant
HT	Hopelessness theory
IL	Interleukin
IQR	Interquartile range
LRAMP	Linehan Suicide Risk Assessment and Management Protocol
MDD	Major depressive disorder

List of Abbreviations (Cont...)

Abb.	Full term
DSH	Deliberate self-harm
IBM	International Business Machines
MINI	Mini-International Neuropsychiatric Interview
MMTPs	Methadone maintenance treatment programs
NA	Narcotics Anonymous
NS	Non significant
NS-SDV	non-suicidal self-directed violence
NSSI	non-suicidal self-injury
OUD	Opioid use disorder
S	Significant
SA	Suicidal attempt
SC	Synthetic cannabinoids
SMI	Severe mental illness
SPI	Safety planning intervention
SPI	Safety planning intervention
SPSS	Statistical Package for the Social Sciences
SSRIs	selective serotonin reuptake inhibitors
SUD	Substance use disorder
THC	Tetrahydrocannabinol
US	United States
WHO	World Health Organization

INTRODUCTION

Substance use disorder (SUD) is defined as; Prolonged, repeated use of substances at high doses and/or high frequencies (quantity/frequency thresholds vary across substances) which produce a separate, independent, diagnosable illness that impairs health and function and may require special treatment *(McLellan 2017).* SUD is considered as a way of self-harm *(Breet et al., 2017).*

Cannabinoids are the most commonly abused substances in the world. In Egypt, the Anti-Narcotic General Administration showed that the narcotics problem costs the Egyptian economy approximately 800 million dollars annually *(Yassa et al., 2010).* Synthetic Cannabinoids (SC) abuse is a significant public health and safety problem, resulting in many emergency department visits and fatalities *(Huestis and Diao 2017).*

The widespread over-the-counter availability of these products made these compounds the 2nd most common frequently used recreational drug after marijuana in teenagers and young adults *(Mansour et al., 2020).* Chronic use of SCs has been associated with serious Psychiatric and medical conditions and even death **(Cohen et al., 2018).** SCs products may potentially lead to suicidal ideation and self-harm behaviors amongst many other psychiatric symptoms. The long-term risks are still unclear, but aggression, self-harm, and