

Co-occurrence of adult ADHD with Bipolar disorder

*Thesis submitted for the partial fulfillment of Master Degree in
neuropsychiatry*

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Summery

Bipolar disorder (BD) is a considerable public health concern, with lifetime prevalence around 1% for bipolar I disorder and up to 5% when including all bipolar spectrum disorders (*Wingo and Ghaemi, 2007*).

This disorder is recognized to have a considerable negative impact on patient functioning and quality of life (*Sentissi et al., 2008*).

ADHD, originally described in a pediatric population, it is now also recognized as a condition found in adults. Depending on the study, childhood prevalence of ADHD varies between 3 and 12% (*Tamam et al., 2008*), while adult prevalence is quite similar across studies, usually 4–5% (*Wingo and Ghaemi, 2007*).

Thus, it can be estimated that up to 50% of children affected by ADHD retain the condition during their adult years (*Tamam et al., 2008*).

Dedication

I wish to dedicate this work to my beloved father and mother, who have always loved me and made me state arguments for my opinions since my early childhood.

I would also like to express my deep gratitude to my beloved brothers and my sisters in law for their support and love during the course of this work. Special thanks and appreciation to my beloved fiancé for his continuous support and encouragement.

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Index

List of abbreviations	vi
List of tables	x
List of figures	xiii
Introduction	1
Aim of the work	.....	5
Chapter 1	Bipolar disorder.....	6
Chapter 2	Attention deficit hyperactivity disorder.....	24
Chapter 3	Co-morbidity between BD and ADHD.....	44
Subjects and methods	.....	71
Results	.....	89
Section I	.....	91
Section II	.....	103
Section III	.....	113
Section IV	.....	123
Discussion	.....	133
Limitations	.....	150
Conclusion and recommendations	.....	152
Summary	.....	155
Appendix	.....	a-e
References	.....	164
الملخص العربي		

List of abbreviations

AACAP	American Academy of children and adolescent psychiatry
ADD	Attention deficit disorder
ADHD	Attention Deficit Hyperactivity Disorder
ADHD-OR	Attention Deficit Hyperactivity Disorder observer reports
ADHD-SR	Attention Deficit Hyperactivity Disorder self report scale
ASRS	Adult self report scale
BD	Bipolar Disorder
BPI	Bipolar I
BPII	Bipolar II
CAARS	Conner's adult ADHD rating scale
CAARS-O:L	Conner's Adult ADHD rating scale observer long version form
CAARS-S:L	Conner's adult ADHD rating scale self report long version form
COMT	catechol-O-methyltransferase
CSS	Current symptoms scale

List of abbreviations

CT	Computerized tomography
DAT1	Dopamine transporter gene
DRD1	Dopamine receptor D1 gene
DRD2	Dopamine receptor D2 gene
DRD3	Dopamine receptor D3 gene
DRD4	Dopamine receptor D4 gene
DRD5	Dopamine receptor D5 gene
DSM-IV-TR	Diagnostic and Statistical manual of mental disorders – fourth edition – text revision
Dz	Dizygotic
ECT	Electro convulsive therapy
FDA	Food and drug administration
GAD	Generalized Anxiety Disorder
HS	Highly significant
hSERT	Serotonin transporter gene
K-SADS-PL	Kiddie-schedule for affective disorders and schizophrenia for school aged children – lifetime version
Li	Lithium
MAOA	Monoamine oxidase A
MDD	Major depressive disorder

List of abbreviations

MDDD	Minor depression/dysthymia disorder
MRI	Magnetic resonant imaging
MS	Master
Mz	Monozygotic
N (n)	Number
NCS-R	National Co-morbidity Survey Replication
NS	Not significant
OCD	Obsessive Compulsive Disorder
ODD	Oppositional Defiant Disorder
PIQ	Performance intelligent quotient
PTSD	Post Traumatic Stress Disorder
S	Significant
SD	Standard deviation
SPSS	Statistical package for social sciences
SUD	Substance Use Disorder
TIQ	Total intelligent quotient
VHS	Very high significant
VIQ	Verbal intelligent quotient
WAIS	Wechsler adult intelligence scale
WCST	Wisconsin card sorting test
WFMH	World federation of mental health