

شبكة المعلومات الجامعية







شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها على هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار في درجة حرارة من ١٥-٥٠ مئوية ورطوبة نسبية من ٢٠-٠٠% To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%



بعض الوثائـــق الإصليــة تالفــة



بالرسالة صفحات لم ترد بالإصل

ADULT ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD) AMONG ATTENDANTS OF HEALTH INSURANCE GENERAL PRACTITIONER CLINICS IN ALEXANDRIA

46/8

A Thesis

61698588

Submitted to the High Institute of Public Health, Alexandria University

In partial fulfillment of the requirements for the Degree

of

Master of Public Health

In

Mental Health

By

Zeinab Nazeeh Aly Shata MBBCh, Faculty of Medicine, University of Alexandria, 1999

2006

ADULT ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD) AMONG ATTENDANTS OF HEALTH INSURANCE GENERAL PRACTITIONER CLINICS IN ALEXANDRIA

Presented by

Zeinab Nazeeh Aly Shata

For the Degree of

Master of Public Health

Approved

In

Mental Health

Examiners' Committee:

Dr. Amira Gamal Seif El-Din

Professor of Community Medicine - Faculty of Medicine University of Alexandria

Dr. Nihad Ibrahim Dabbous

Professor of Maternal and Child Health - High Institute of Public Health University of Alexandria

Dr. Mervat Wagdi Abu-Nazel

Professor of Mental Health -High Institute of Public Health University of Alexandria

Dr. Ibrahim Fahmy Kharboush

Professor of Maternal and Child Health High Institute of Public Health University of Alexandria

Advisors' Committee:

J

Dr. Mervat Wagdi Abu-Nazel

Professor of Mental Health -High Institute of Public Health -

University of Alexandria

Dr. Ibrahim Fahmy Kharboush

Professor of Maternal and Child Health - High Institute of Public Health University of Alexandria



ACKNOWLEDGEMENTS

I would like to thank, first and foremost, professor Mervat W. Abu-Nazel, for being very supportive throughout all the steps this study took, from its conception until completion. I have certainly learnt a lot from her, and her invaluable guidance and contribution to the work made it infinitely worthier than it ever could have been without her.

Gratitude is also due, to professor **Ibrahim F. Kharboush**, whose ideas changed a great deal of my way of interpreting others' work, teaching me to add an individual touch to my own in the process. His scrupulous particiption was undeniably inspiring.

I am indebted to my colleagues, especially those in the mental health field, and in the Biostatistics department for their patience each time I consulted them about some aspect I did not know how to perform.

T

TABLE OF CONTENTS

Chapter		Page
•	ACKNOWLEDGEMENTS	
	TABLE OF CONTENTS	
	LIST OF TABLES	
	LIST OF FIGURES	
	LIST OF ABBREVIATIONS	
I	INTRODUCTION	1
II	AIM OF THE WORK	21
Ш	SUBJECTS AND METHODS	22
IV	RESULTS	28
V	DISCUSSION	102
VI	CONCLUSION AND RECOMMENDATIONS	113
VII	SUMMARY	115
VIII	REFERENCES	118
	APPENDICES	
	PROTOCOL	
	ARABIC SUMMARY	

J

LIST OF TABLES

Table		Page
I	Test-retest reliability and internal consistency of the Arabic version of the ASRS	31
IIa	Principle component factor analysis with varimax rotation of the Arabic Version of the ASRS	32
IIb	Factor loadings of items and sum of factor items on factor analysis of the Arabic Version of ASRS	33
III	Sensetivity and specificity of the Arabic Version of the ASRS in relation to DSM-IV criteria as a gold standard	34
IV	Discriminant validity of the Arabic Version of the ASRS subscles and total scale scores	35
V	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria by socio-demographic characteristics and sex	38
VI	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and age & sex	44
VII	Distribution of ADHD participants among sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD subtypes and sex	44
VIII	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and marital status	45
IX	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and education	45
X	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and occupation	46
XI	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and socoi-economic level	48
XII	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and attended clinics	48
XIII	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and type of education	51
XIV	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and school attendance	51
XV	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and teachers' complaints	56
XVI	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and academic acheivement related problems	58
XVII	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and chronic physical problems	60
XVIII	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and history of childhood psychiatric problems	62

1

Table		Page
XIX	Distribution of sampled attendants of the Health InsuranceG.P clinics	63
	in Alexandria according to ADHD and history of conduct disorder	
XX	Distribution of sampled attendants of the Health Insurance G.P	63
	clinics in Alexandria according to ADHD and anti-social personality	
	disorder	
XXI	Distribution of sampled attendants of the Health Insurance G.P	65
	clinics in Alexandria according to ADHD and consanguinity between	
*****	parents	
XXII	Distribution of sampled attendants of the Health Insurance G.P	66
	clinics in Alexandria according to ADHD and history of ADHD	
3/3/77	symptoms among parents	
XXIII	Distribution of sampled attendants of the Health Insurance G.P	67
	clinics in Alexandria according to ADHD and history of psychiatric	
XXIV	problems among parents Distribution of sampled attendants of the Health Juneau C.P.	60
AALV	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and history of ADHD	68
	symptoms among siblings	
XXV	Distribution of sampled attendants of the Health Insurance G.P	69
122	clinics in Alexandria according to ADHD and history of psychiatric	U)
	problems among siblings	
XXVI	Distribution of sampled attendants of the Health Insurance G.P	71
	clinics in Alexandria according to ADHD and history of ADHD	, ,
	symptoms among relatives	
XXVII	Distribution of sampled attendants of the Health Insurance G.P	72
	clinics in Alexandria according to ADHD and history of psychiatric	
	problems among relatives	
XXVIII	Distribution of sampled attendants of the Health Insurance G.P	73
	clinics in Alexandria according to ADHD and familial history of	
******	ADHD symptoms	
XXIX	Distribution of sampled attendants of the Health Insurance G.P	74
	clinics in Alexandria according to ADHD and history of ADHD	
XXX	symptoms among their children	
АЛЛ	Distribution of sampled attendants of the Health Insurance G.P	75
	clinics in Alexandria according to ADHD and history of psychiatric problems among their children	
XXXI	Results of stepwise logistic regression analysis of significant	77
	variables related to adult ADHD among sampled attendants of the	77
	Health Insurance G.P clinics in Alexandria	
XXXII	Distribution of sampled attendants of the Health Insurance G.P	79
	clinics in Alexandria according to ADHD and history of current	19
,	psychiatric problems	
XXXIII	Distribution of sampled attendants of the Health Insurance G.P	80
	clinics in Alexandria according to ADHD and smoking	00
XXXIV	Distribution of sampled attendants of the Health Insurance G.P	82
	clinics in Alexandria according to ADHD and psychoactive substance	
	use	

y.

乀

Table		Page
XXXV	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and Work difficulties	84
XXXVI	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and car driving status	87
XXXVII	Distribution of the car driver sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and driving behaviors	87
XXXVIII	Distribution of the car driver sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and driving accidents	88
XXXIX	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and exposure to accidents in daily life	90
XXXX	Distribution of married sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and number of marriages	93
XXXXI	Distribution of married sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and marital conflicts	93
XXXXII	Distribution of participants having children among sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and parenting difficulties	98
XXXXIII	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and number of difficulties encountered in different life aspects	100
XXXXIV	Distribution of sampled attendants of the Health Insurance G.P clinics in Alexandria according to ADHD and number of problematic life aspects	101

Ľ

LIST OF FIGURES

Figure		Page
1	Scatter plot between ASRS total scores and number of problematic life aspects among attendants of the Health Insurance G.P clinics in	34
	Alexandria	
2	Distribution of sampled attendants of Health Insurance G.P clinics in	41
_	Alexandria according to their scores on ASRS and its subscales	••
3	Distribution of sampled attendants of Health Insurance G.P clinics in	41
	Alexandria according to self-reported history of childhood inattentive	
	and/or hyperactive-impulsive symptoms	
4	Prevalence of adult ADHD and its subtypes among sampled	42
	attendants of Health Insurance G.P clinics in Alexandria	
5	Reasons of clinic attendance among sampled attendants of Health	49
	Insurance G.P clinics in Alexandria	
6	Reasons for school absentieesm reported by participants with history	52
_	of school absentieesm	
7	Reasons for school dropout reported by participants with history of	53
8	school dropout	- 4
0	Reasons for school expulsion reported by participants with history of school expulsion	54
9	Reasons for teachers' complaints reported by participants with	57
	history of teachers' complaints	37
10	Types of chronic physical problems reported by participants with	60
	history of chronic physical problems	00
11	Reasons for smoking among participants who smoke	81
12	Reasons for job absentieesm reported by participants with history of	85
	job absentieesm	-
13	Reasons for exposure to accidents reported by participants with	91
	history of frequent accidents	
14	Types of accidents reported by participants with history of frequent	91
4.5	accidents	
15	Communication problems among married participants	94
16	Marital problems related to task completion and time management	95
17	among married participants	
1/	Marital problems related to self-regulation of affect among married participants	96

LIST OF ABBREVIATIONS

ADHD: Attention-Deficit Hyperactivity Disorder

ASRS: Adult ADHD Self-Report Scale

Bp: Base-pair

CDC: Center for Disease Control and Prevention

CSF: Cerebrospinal Fluid

DAT: Dopamine Transporter Gene **DRD4:** Dopamine Receptor 4 Gene

DSM: Diagnostic and Statistical Manual of Mental Disorders

GABA: Gamma Aminobutyric Acid

G.P: General Practitioner

ICD: International Statistical Classification of Diseases and Related Health Problems

MAO: Monoamine Oxidase

OCD: Obsessive Compulsive Disorder

PDQ-4+: Personality Diagnostic Questionnaire-4+

PET: Positron Emission Tomography

PFC: Prefrontal Cortex

SSRI: Specific Seretonine Reuptake Inhibitors

TCAs: Tricyclic Antidepressants

VNTR: Variable Number of Tandem Repeats

WHO: World Health Organization WURS: Wender Utah Rating Scale