Systematic Review of Egyptian Studies done on Forensic Psychiatry

Essay

Submitted for partial fulfillment of Master Degree In Neurology & Psychiatry

By

Mohammed Shehata Mohammed Atya *M.B.,B.Ch.*

Supervised By

Prof. Naglaa M.N. El Mahallawy

Professor of psychiatry Faculty of Medicine- Ain Shams University

Dr. Hanan M.E. Azzam

Assistant Professor of psychiatry Faculty of Medicine-Ain Shams University

Dr. Marwa A. El Missiry

Lecturer of psychiatry Faculty of Medicine-Ain Shams University

> Faculty of medicine Ain Shams University 2011

مراجعة نظامية للدر اسات المصرية عن الطب النفسي الشرعي

مقدمه من الطبيب/ محمد شحاته محمد عطيه *بكالوريوس الطب والجر احة*

تحت اشراف

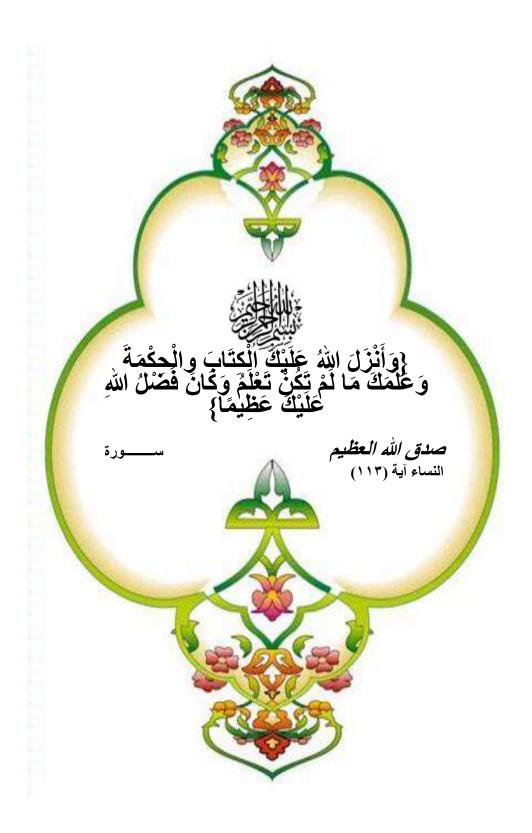
SUMMARY

We are in need to review our Egyptian studies done on Forensic Psychiatry in a systematic way, to appraise its results across the time and place, in order to illustrate points of power and weakness, to generate recommendations which may help us in constructing guidelines in our next researches on this important topic.

In order to achieve this goal the following databases were explored: 1- Library of faculty of medicine - Ain Shams University. 2- Library of faculty of medicine - Cairo University. 3- Libraries of faculties of medicine- (Boys and Girls) El Azhar University. 4- Library of faculty of medicine- Tanta University. 5- Library of faculty of medicine- Suez Canal University. 6-Databases of Egyptian Journal of Psychiatry and Current Psychiatry Journal.

After exploring these databases, a list of 19 Egyptian psychiatric researches on Forensic Psychiatry is generated (6 M.D. and M.Sc thesis from Ain Shams University,1 M.D. thesis from El –Azhar University, 8 studies from the Egyptian Journal of Psychiatry, 2 studies from Kasr El-Aini medical Journal and 2 studies Presented in Kasr El Aini conference).

After reviewing these studies, they are categorized in the following: 1-Epidemiology, 2-Etiology, 3-Clinical description, 4- Crime description. All researches which were used in the review were critically appraised. Regarding researches done, it was found that:



Acknowledgement

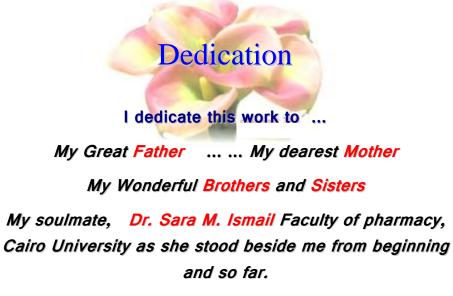
First and foremost I would like to express my thanks and deep appreciation to **Prof.** Naglaa M.N. El Mahallawy, professor of neuropsychiatry, Faculty of Medicine, Ain Shams University for her generous effort, continuous support, wise helpful guidance and motherly attitude. No words could describe my appreciation for her encouragement and support, which made the achievement of this work possible, and I will never be able to thank her sufficiently. It is great honor to work under her guidance and supervision.

I am also deeply grateful and thankful to *Dr. Hanan M.E.Azzam*, Assistant Professor of Neuropsychiatry, Faculty of Medicine, Ain Shams University for her helpful contributions, keen support and valuable instructions.

I would like to express my deep thanks and appreciation to **Dr. Marwa A. Elmissiry**, lecturer of neuropsychiatry, Faculty of Medicine, Ain Shams University, for her encouragement and advice throughout the work.

Also, I would like to thank *Prof. Afaf H. Khalil*, professor of neuropsychiatry, Faculty of Medicine, Ain Shams University and the head of the team work of this series of essays

Also, I would like to thank all researchers who work in the field of "Forensic Psychiatry" without their studies this work could not be done.



Finally, to My Helpful Friends.

List of Contents

	Title	Page No.	
Shams Univers	ess of MD thesis of faculty of medicine, sity ations	I	
List of tables		IV	
Introduction		1	
Rational of the	e work	7	
Aim of the wor	°k	8	
Methodology (procedures)	9	
Chapter (1):	List of the available "Egyptian studies on forensic psychiatry "		
Chapter (2):	Qualitative systematic review of "Egy] studies done on forensic psychiatry"	ptian	
I-	Epidemiology	16	
II-	Etiology	94	
III-	Clinical description.	111	
IV-	Crime description	206	
Chapter (3):	Appraising "Egyptian studies done forensic psychiatry "		
Discussion		275	
Conclusion			
Summary	Summary		
Recommendations			
Limitations of the study			
Appendix			
References			
Arabic summa	Arabic summary		

Recently, the information center of Faculty of Medicine-Ain Shams University develops a medical site on the internet which contains every M.D thesis since year (2006), the web address is:

http://med.shams.edu.eg-academics -MD thesis (full text)

List of Abbreviations

ADHD:	Attention Deficit Hyperactivity Disorder.
ADS:	Anxiety Depression Scale.
APD:	Antisocial Personality Disorder.
ASI:	Addiction Severity Index.
CJ:	Criminal Justice.
CPA:	Child Physical Abuse.
CSA:	Child Sexual Abuse.
CSF TEST:	Cerebro-Spinal Fluid Testosterone.
CST:	Cmpetency to stand trials
DSQ:	Defense Style Questionnaire.
EI:	Emotional Intelligence.
EPQ:	Eysenk Personality Questionnaire.
F.C.non M.D:	Female criminal non mentally diseased.
F.M.D.C:	Female mentally diseased criminals.
F.M.D.non C:	Female mentally diseased non criminal.
GAD:	Generalized Anxiety Disorders.
GHQ:	GeneralHealth Questionnaire.
HDHQ:	Hostility and Direction of Hostility Questionnaire.
HQ:	Hostility Questionnaire.
I.Q:	Intelligent Quotient.
ICD-10:	International Classification of Diseases -10.
JD:	Juvenile delinquents
Mdho:	Mentally disordered homicide offenders
MMD:	ajor Mental Disorders.
MMPI:	Minnesota Multiphasic Personality Inventory.
MSO:	Mental state at time of offence.
OCD:	Obsessive Compulsive Disorders.
PPS:	Personal Profile Scales.
PSE:	Present State Examination .
PSS:	Psychiatric symptomatolgy scale.
PTSD:	Post Traumatic Stress Disorders.
SAI:	Self Attitude Inventory.
SAS:	Substance Abuse Scale.
SCID:	Structured Clinical Interview for DSM-IIIR Personality Disorder
SES:	Socio-Economic Status.
SUD:	Substance use disorders
WAIS:	Wechsler Adult Intelligence Scale.
WCST:	Wisconsin Card Sorting Test.

List	of	Tab	les
LISU	UI	I uU	

Table No.	Title	Pages No.
1	Prevalence of crime among male and female mentally diseased offenders according to number.	16
2	Prevalence of crime among male and female mentally diseased offenders according to type.	17
3	Prevalence of rape among females prosecuted to sexual offences	18
4	Prevalence of crimes among female offenders	18
5	Age distribution of male and female homicide offenders at prison.	19
6	Age distribution of male and female homicide offenders at mental hospital.	20
7	Age distribution of rape victims.	21
8	Age distribution of the female offenders (1986).	22
9	Age distribution of female offenders at first crime.	23
10	Age distribution of female offenders (1995).	23
11	Age distribution of female offenders (2004).	24
12	Age distribution of male offenders (1995).	25
13	Age distribution of male and female court probationers addicts.	26
14	Sex distribution of male and female court probationers addicts.	
15	Residence distribution of homicide offenders (1971).	28
16	Residence distribution of homicide offenders (2004).	29
17	Residence distribution of the female offenders (1986).	30
18	Residence distribution of female offenders (2004).	30
19	Residence distribution of psychotic homicidal females.	31
20	Residence distribution of juvenile delinquents.	32
21	Residence distribution of male and female juvenile delinquents.	32
22	Residence distribution of female sexual offenders.	32
23	Educational level distribution of male and female homicide offenders (1971).	33
24	Educational level distribution of male and female homicide offenders.	34
25	Educational level distribution of the female offenders (1986).	35
26	Educational level distribution among female offenders (1995).	36
27	Educational level distribution among psychotic homicidal females.	37
28	Educational level distribution among female offenders (2004).	38
29	Educational level distribution among male offenders.	38
30	Educational level distribution of juvenile delinquents.	39
31	Educational level distribution among male and female juvenile delinquents.	40

Table No.	Title	Pages No.
32	Educational level distribution among female sexual offenders.	40
33	Educational level distribution among court probationers addicts.	41
34	Occupational level distribution among homicide offenders (1971).	42
35	Occupational level distribution among homicide offenders (2004)	43
36	Occupational level distribution among female offenders (1986)	44
37	Occupational level distribution among female offenders (2004)	45
38	Occupational level distribution among female offenders' husbands	45
39	Occupational level distribution among juvenile delinquents	40
40	Occupational level distribution among male and female juvenile delinquents	47
41	Occupational level distribution of female sexual offenders.	47
42	Occupational level distribution among male and female court	
	probationers addicts.	48
43	Marital status distribution among homicide offenders (1971).	49
44	Marital status distribution among homicide offenders (2004).	50
45	Marital status distribution among homicide offenders at prison.	51
46	Marital status distribution among mentally ill homicide offenders.	52
47	Marital status distribution among female offenders at time of research	53
48	Marital status distribution among female offenders at time of crimes	54
49	Marital status among female offenders (1995).	54
50	Marital status distribution of psychotic homicidal females.	55
51	Marital status distribution among female offenders (2004).	56
52	Marital status distribution among male offenders.	56
53	Marital status distribution among female sexual offenders at time of research.	57
54	Marital status distribution of court probationers addicts.	58
55	Socioeconomic level distribution among psychotic homicidal females.	59
56	Socioeconomic level distribution of female offenders.	60
57	Socioeconomic level distribution among juvenile delinquents.	61
58	Socio-economic level distribution among male and female juvenile delinquents.	61
59	Socioeconomic level distribution among female sexual offenders.	62
60	Seasonal distribution of rape.	62
61	Monthly distribution of cases of rape reported in 1987and 1979	63
62	Family history of crime among murderers.	64
63	Family history of crimes and legal problems among homicide offenders.	65
64	Family history of crimes and legal problems among homicide offenders at prison.	66
65	Family history of crimes and legal problems among mentally ill homicide offenders.	66

Table No.	Title	Pages No.
66	Family history of crimes among female offenders.	67
67	Family history of legal problems among female sexual offenders.	67
68	Family history of legal problems among juvenile delinquents	68
69	Chromosomal aberration among convicted delinquent males.	68
70	Neurotic traits and behavioral disorders during child hood among homicide offenders.	69
71	Neurotic traits during childhood among female offenders	70
72	Delinquency among female offenders.	71
73	Developmental history of homicide offenders.	72
74	Home troubles among homicide offenders.	72
75	Family problems among female offenders.	73
76	Family circumstances of homicide offenders.	74
77	Family relationships of homicide offenders.	75
78	Family relationships of homicide offenders at prison	76
79	Family relationships of mentally ill homicide offenders.	76
80	Emotional relation in married murderers.	77
81	Type of housing among homicide offenders.	78
82	Marital circumstances of homicide offenders.	79
83	Social class of homicide offenders.	80
84	Social class of homicide offenders at prison.	81
85	Social class of mentally ill homicide offenders.	81
86	Family history of psychiatric disorders among murderers.	82
87	Family history of psychiatric disorder among female offenders.	83
88	Family history of psychiatric disorders of homicide offenders.	84
89	Family history of psychiatric disorders of homicide offenders at prison.	84
90	Family history of psychiatric disorders of mentally ill homicide offenders.	85
91	Family history of drug abuse of homicide offenders.	80
92	Family history of drug abuse of homicide offenders at prison.	86
93	Family history of drug abuse of mentally ill homicide offenders.	87
94	History of suicidal attempts among female offenders.	88
95	History of suicidal attempts among juvenile delinquents.	88
96	The child abuse scales of female sexual offenders.	89
97	Exposure to sexual abuse among homicide offenders.	90
98	Exposure to sexual abuse among juvenile delinquents.	90
99	Sexual disorders among murderers.	91
100	Sexual relation in married murderers.	92
101	Sexual history of female criminals.	93
102	History of sexual deviation among homicide offenders.	94
103	Homosexual experience among homicide offenders.	94
104	Sexual dysfunction among homicide offenders.	95

Table No.	Title	Pages No.
105	Sexual history among juvenile delinquents.	95
106	Previous mental health and previous admission.	96
107	Medical history of homicide offenders.	97
108	Type of medical illness of homicide offenders.	97
109	Blood level of lead, testosterone and serotonin of convicted delinquent males.	98
110	Blood level of lead, testosterone and serotonin of convicted delinquent males according to type of crimes	99
111	Substance abuse among juvenile delinquents.	99
112	Motives for murders among prison murderers.	100
113	motives for murders among mental hospital murderers.	101
114	Motives for crimes among psychotic homicidal females.	102
115	Causes of violent crimes according to criminal words.	103
116	Causes of violent crimes according to court reports.	104
117	Motives behind crime among males homicide offenders according to frequency.	105
118	Motives behind crime among females homicide offenders according to frequency.	106
119	Motives behind crime among homicide offenders at prison according to frequency.	107
120	Motives behind crime among mentally ill homicide offenders according to frequency.	108
121	Stressful life events (SLE) among female offenders prior to commit the crime.	108
122	Motivation for crimes among female offenders.	109
123	Stressors for sexual offences of female sexual offenders.	110
124	Stressors among juvenile delinquents.	110
125	Age of homicide offenders at prison.	111
126	Age of homicide offenders at prisons and forensic psychiatry units.	112
127	Age of homicide offenders with mental illness at prison	112
128	Age of mentally ill homicide offenders.	113
129	Years of education of homicide offenders	113
130	Years of education of homicide offenders with mental illness at prison.	114
131	Years of education of mentally ill homicide offenders.	114
132	Intelligence quotient of prison murderers	115
133	Intellectual abilities of homicide offenders.	116
134	Intellectual abilities of male homicide offenders.	117
135	Intellectual abilities of female homicide offenders.	118
136	Intelligence of the female offenders (1986).	119
137	Intelligence of female offenders (2004).	120
138	Intelligent quotient of convicted delinquent males.	121
139	Intelligence of juvenile delinquents on WAIS total scales.	122
140	Intelligence of juvenile delinquents on WAIS subscales.	122

Table No.	Title	Pages No.
141	Intelligence of male and female juvenile delinquents.	123
142	Correlation of I.Q with the total aggression and psychopathic deviation.	124
143	Correlation of I.Q with period of confinement.	125
144	Relation of IQ with psychiatric symptoms.	126
145	Intellectual deterioration among female offenders.	127
146	The Wisconsin Card Sorting Test of juvenile delinquents.	128
147	The Wisconsin Card Sorting Test of male and female juvenile delinquents.	129
148	Correlation of Wisconsin Card Sorting Test (WCST) with the total aggression.	130
149	Correlation of Wisconsin Card Sorting Test (WCST) with the psychopathic deviation.	131
150	Emotional intelligence scale of juvenile delinquents.	132
151	Relation of EI with IQ, hostility and personality traits.	133
152	Motivation of juvenile delinquents.	133
153	Locus of control scale of juvenile delinquents.	134
154	Impulsivity and adaptation among female offenders.	134
155	Social maladjustment among female offenders.	135
156	Self Attitude Inventory (SAI) of juvenile delinquents according to gender difference.	136
157	Aggression and acting out among prison murderers.	136
158	Measurement of hostility of juvenile delinquents.	137
159	Hostility Questionnaire of male and female juvenile delinquents.	137
160	Correlation of hostility of juvenile delinquents with self attitude.	138
161	Correlation of hostility of juvenile delinquents with I.Q	139
162	Correlation of hostility of juvenile delinquents with Eysenk personality questionnaire (EPQ) scales	140
163	Correlation of hostility of juvenile delinquents with age, education and occupation.	141
164	Correlation of hostility of juvenile delinquents with the level of defenses.	142
165	Juvenile delinquents disorders in relation to hostility expression scales.	143
166	Defense Style Questionnaire (DSQ) of juvenile delinquents.	143
167	Defenses of juvenile delinquents in relation to hostility expression scales.	144
168	Personality traits of the female criminals.	145
169	The MMPI scales of female sexual offenders.	146
170	The personal profile scales of female sexual offenders.	147
171	Eysenk Personality Questionnaire (EPQ) of convicted delinquent males.	148
172	Personality traits of homicide offenders	149
173	Personality traits of homicide offenders at prison.	150
174	Personality traits of mentally ill homicide offenders	150
175	Psychopathy traits of homicide offenders.	151
176	Psychopathy traits of homicide offenders at prison	152

Table No.	Title	Pages No.
177	Psychopathy traits of mentally ill homicide offenders.	152
178	Personality traits of juvenile delinquents.	153
179	Eysenk personality questionnaire (EPQ) of male and female juvenile delinquents.	154
180	Personality disorders of homicide offenders.	155
181	Personality disorders of mentally ill homicide offenders.	156
182	Personality disorders of female homicide offenders.	157
183	Personality disorders of homicide offenders at prison.	158
184	Personality disorders of mentally ill homicide offenders.	159
185	Personality disorder among female offenders.	160
186	Anxiety in criminal schizophrenics.	161
187	Anxiety manifestations measured by structured interview.	162
188	Anxiety manifestations measured by self-report questionnaire.	162
189	Anxiety according to Anxiety-Depression Scale.	163
190	Presence of depressed mood.	163
191	Presence of worthlessness or excessive guilt.	164
192	Presence of depressive symptoms in bipolar and schizoaffective patients.	165
193	Past history of mood episodes of post-partum onset.	165
194	Presence of elevated or irritable mood.	166
195	Presence of 3 or more manic symptoms.	167
196	Age of onset of psychotic symptoms.	167
197	Duration of psychotic disorders.	168
198	Course of psychotic symptoms.	168
199	Presence of persecutory delusions.	169
200	Presence of grandiose delusions.	169
201	Presence of somatic delusions among psychotic homicidal females.	170
202	Presence of auditory hallucination.	171
203	Presence of severe negative symptoms in schizophrenic homicidal females.	171
204	Presence of more than one psychotic symptom.	172
205	Combined personality traits among psychotic homicidal females.	173
206	Pathological personality traits among psychotic homicidal females	173
207	Cluster A personality traits.	174
208	Paranoid traits among psychotic homicidal females.	174
209	Cluster B personality traits.	175
210	Antisocial or borderline traits among psychotic homicidal females.	175
211	Cluster C personality traits among psychotic homicidal females.	176
212	Psychiatric symptoms of juvenile delinquents.	177
213	Psychiatric symptoms of juvenile delinquents on Psychiatric Symptomatolgy Scale.	178