A STUDY OF SEROPOSITIVITY FOR TOXOCARA CANIS. TOXOPLASMA GONDII AND ECHINOCOCCUS GRANULOSUS IN PATIENTS WITH EPILEPSY

THESIS

Submitted for partial fulfillment of the Master Degree in Pediatrics

Souzan Fouad Ibrahim Shalaby M.B., B.ch.

Supervisors

PROF. DR. SHEREIN M. ABD EL FATTAH

Prof of Pediatrics Ain Shams University

DR. KARAM MOHAMED MAKLED.

Assist. Professor of Parasitology Ain Shams University

DR. EMAN AHMED ZAKY

Lecturer of Pediatrics Ain Shams University

Faculty of Medicine Ain Shams University 1996





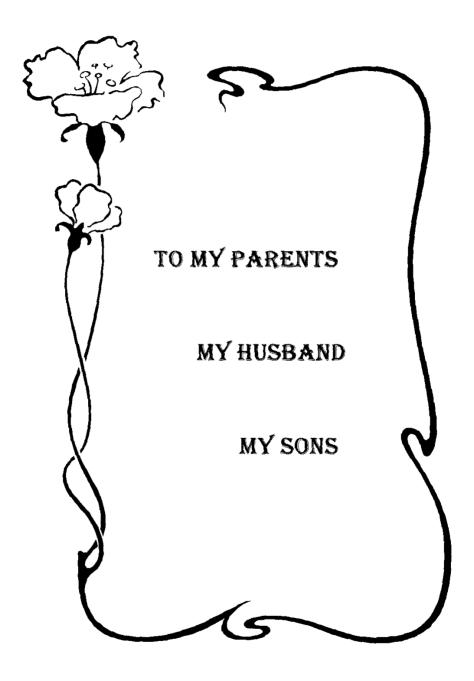
ACKNOWLEDGEMENTS

It is a great honor to me to express my sincere gratitude to professor *Dr. Sherein M. Abd El Fattah*, Professor of pediatrics, Faculty of Medicine, Ain Shams University, for her masterly teaching, valuable advice, kind supervision and continuous encouragement throughout the work.

I am particularly indebted to *Dr. Karam Mohamed Makled* Ass. Professor of Parasitology, Faculty of Medicine, Ain Shames University, for her meticulous supervision, continuous support, honest assistance and unlimited help throughout the whole work.

I would like also to express my sincerest gratitude and deepest appreciation to **Dr. Eman Ahmed Zaky**, Lecturer of Pediatrics faculty of Medicine, Ain Shames University for her generous supervision, kind advice and fruitful suggestions during the conduction of this work.

Lastly I am grateful to every one who participated in the evolution of this work.





CONTENTS

	Page
Review of Literature:	J
• Chapter (1): Epilepsy	1 - 42
• Chapter (2): Toxocariasis	43 - 55
• Chapter (3): Toxoplasmosis	56 - 71 72 - 78
• Chapter (4): Echinococcosis	
• Chapter (5): Neurological	79 - 82
diseases of parasitic origin	
Subjects and Methods	83 - 90
Results	91 - 129
Discussion	130- 139
Summary, conclusion and	140-142
recommendations	
References	
Arabic Summary	

LIST OF TABLES

Table	Title	Page
Table (1)	Statistical comparison between	
()	cases and controls as regards	91
	age distribution	
Table (2)	Statistical comparison between	
(_)	cases and controls as regards	93
	sex	
Table (3)	Statistical comparison between	
20010 (0)	cases and controls as regards	95
	residency	
Table (4)	Statistical comparison between	
- 3.3.2. (1)	cases and controls as regards	97
	pica	
Table (5)	Statistical comparison between	
	cases and controls as regards	99
	history of contact with animals	
Table (6)	Comparison between epileptic	
` ,	patients as regards + ve family	101
	history of epilepsy	
Table (7)	Comparison between cases as	
. ,	regards type of epilepsy	102
Table (8)	Statistical comparison between	
` '	seropositive and seronegative	103
	epileptic patients to any	
	parasitic infection as regards	
	age of onset	
Table (9)	Association between types of	
, ,	epilepsy and parasitic infection	105

LIST OF TABLES

Table	Title	Page
Table (10)	Statistical comparison between	C
,	cases and controls as regards	106
	Toxocara infection	
Table (11)	Statistical comparison between	
()	Toxocara seropositive and	108
	seronegative epileptic patients	
	as regards age of onset	
Table (12)	Statistical comparison between	
` ,	Toxocara seropositive and	110
	seronegative cases as regards	
	contact with animals	
Table (13)	Statistical comparison between	
`	Toxocara seropositive and	112
	seronegative control group as	
	regards contact with animals	
Table (14)	Statistical comparison between	
,	Toxocara seropositive cases	114
	and controls as regards sex	
	distribution	
Table (15)	Statistical comparison between	
	Toxocara seropositive cases	116
	and controls as regards	
	residence	
Table (16)	Statistical comparison between	
	Toxocara seropositive cases	118
	and controls as regards pica	



LIST OF TABLES

Table	Title	Page
Table (17)	Statistical comparison between cases and controls as regards	S
	seropositivity to Toxoplasma gondii infection	121
Table (18)	Statistical comparison between Toxoplasma seropositive and seronegative Cases as regards	123
Table (19)	age of onset of epilepsy Statistical comparison between Toxoplasma seropositive and seronegative epileptic cases as regards contact with animals	124
Table (20)	Comparison between Toxoplasma seropositive cases as regards sex	126