EVALUATION OF CRUDE AND PURIFIED *TOXOCARA CANIS* ANTIGENS IN SERODIAGNOSIS OF HUMAN TOXOCARIASIS

Thesis

Submitted for Partial fulfillment of M.D. Degree in Parasitology

By

JIHAN MOSTAFA TOWFIC SABER
M.B., B.Ch., M.Sc.
Assistant Lecturer of Parasitology
Faculty of Medicine, Ain Shams University

Supervisors

Prof. Dr. TAHIA M. ABDEL AAL
Prof. of Parasitology, Faculty of Medicine
Ain shams University

Dr. FOUAD G. YOUSSEF
Clinical Investigation Branch.
M.B., B.Ch., Ph.D. (Namru-3-)

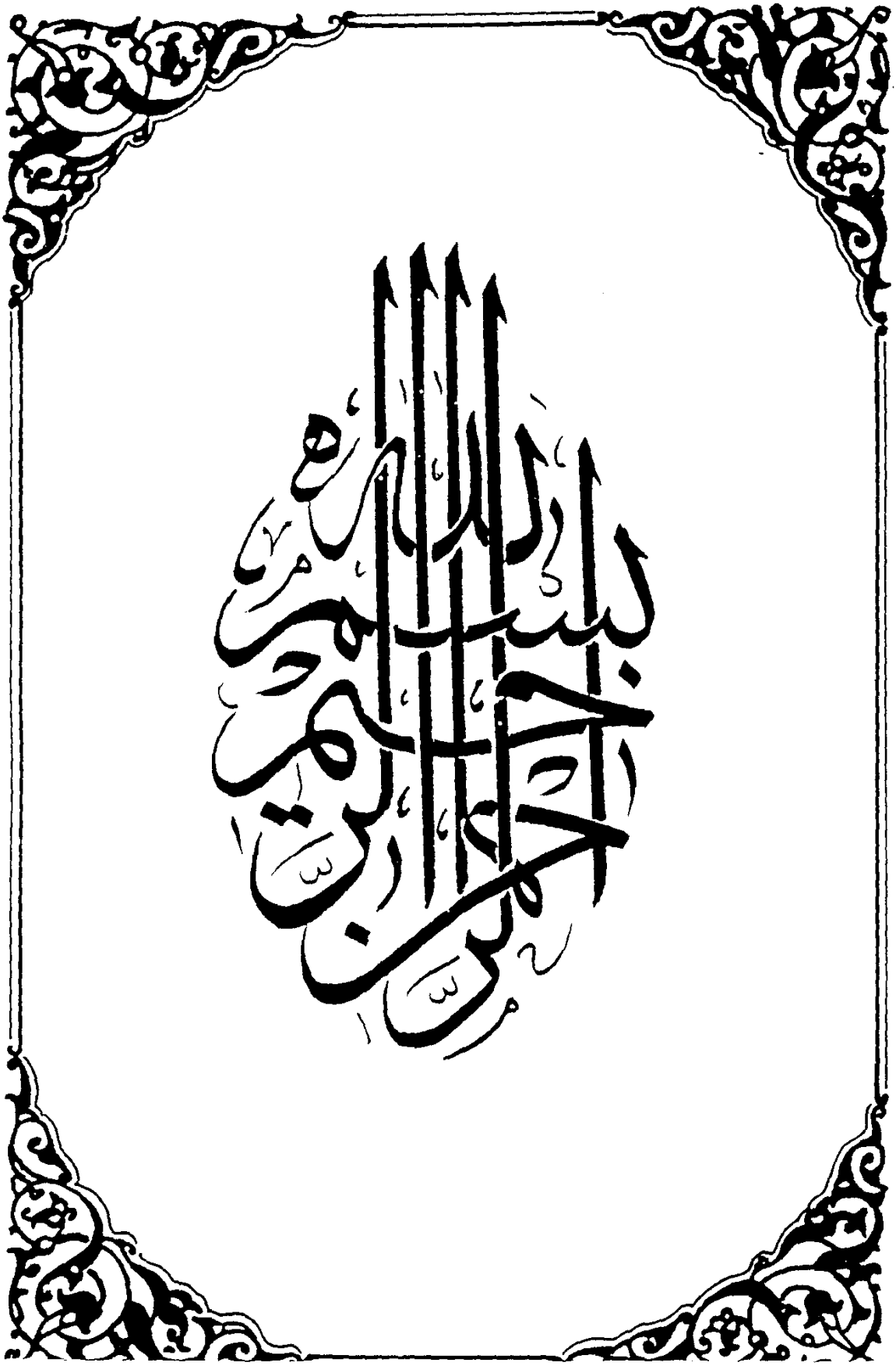
Prof. Dr. HASSEN M. EL-HADY
Prof. of Parasitology, Faculty of Medicine,
Ain Shams University

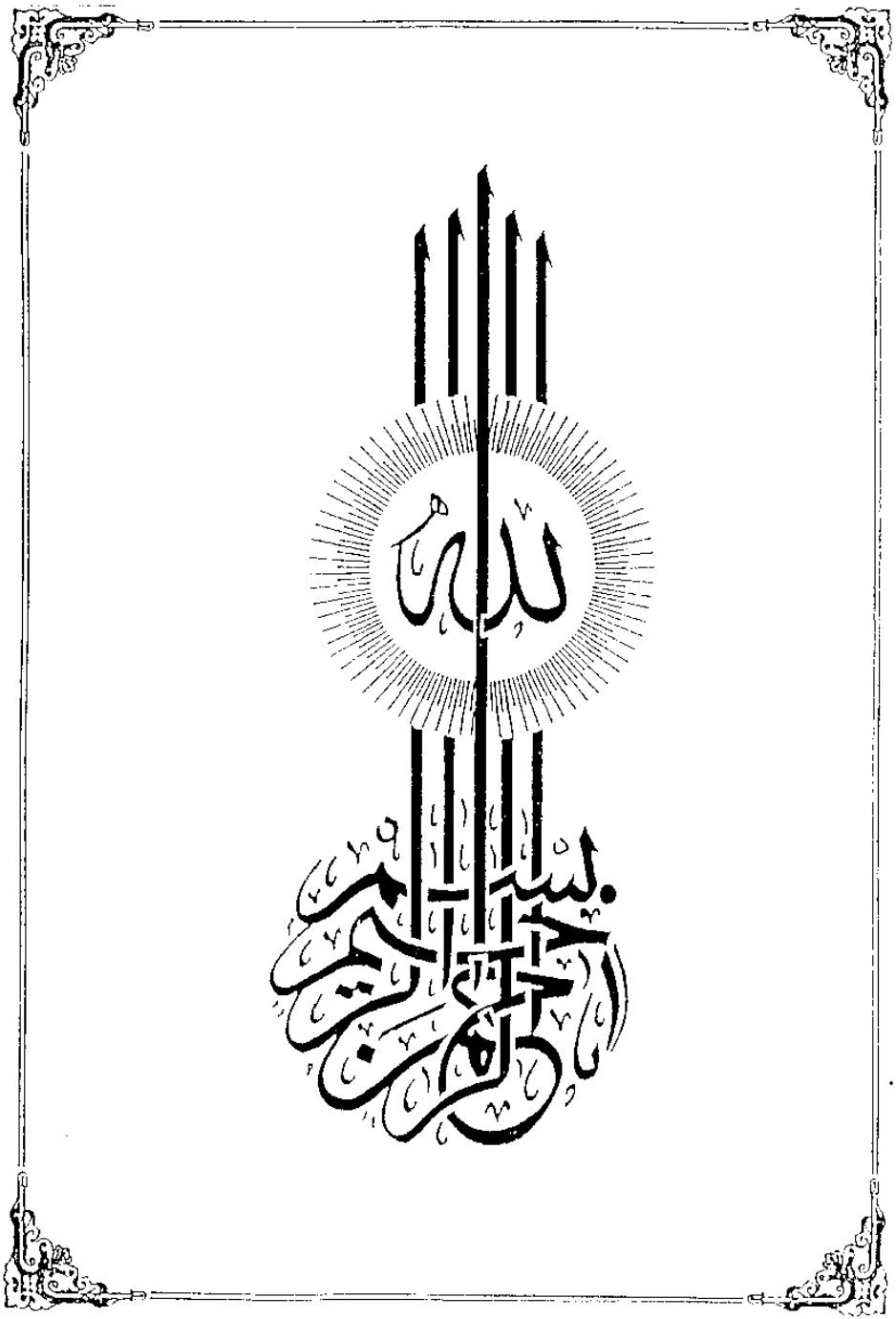
Dr. NADIA M. SABRI
Lecturer of Parasitology, Faculty of Medicine,
Ain Shams University

Dr. Khaled S.M. Habib
Lecturer of Parasitology, Faculty of Medicine,
Ain Shams University

Parasitology Department
Faculty of Medicine
Ain Shams University

Cairo
1994





To:

Helpful parents

Co-operative husband

Lovely children

" Mohamed, Nansy

and

Tarek ".

ACKNOWLEDGEMENT

I wish to express my deep thanks and everlasting gratitude to Prof. Dr. Tahia M. Abdel Aal for her persistent encouragement, guidance and motherly attitude during performance of this work.

I wish also to express my sincere feelings to Dr. Fouad G. Youssef for his moral support and unlimited effort for facilitating performance of this work. However, words will be difficult to give him the full gratitude.

A special gratitude and respect to Prof. Dr. Hassen M. El-Hady. He was both gracious and generous with his time, adviceand knowledge to complete this work. Truely I'm honoured to be one of his sincere students.

I am thankful to Dr. Nadia M. Sabri and Dr.Khaled S.M. Habib for their valuable help, kind care and assistance in performing this work.

My deepest appreciation and thanks to Prof. Dr. Tosson A. Morsy, Head of Parasitology Department, Faculty of Medicine, Ain Shams University, for his persistent co-operation, encouragement and enthusiasm.

Many sincere thanks are offered to all staff members of Parasitology Department, Faculty of Medicine, Ain Shams University.

CONTENTS

ABBREVIATIONS

Acc.	According
B.S.A.	Bovine serum albumin
C.I.E.P.	Counterimmunoelectrophoresis
CN Br-IFAT	Cyanogen bromide indirect fluorescent antibody test.
C.m.m.	Cubic millimeter
D.F.A.T.	Direct fluorescent antibody test.
D.W.	Distilled water
E.L.I.S.A.	Enzyme-linked immunosorbent assay.
ES.	Excretory-Secretory.
F.A.T.	Fluorescent antibody test.
Fig.	Figure.
G.	Group.
G.200	Gel-200
H.S.	Highly significant.
I.D.	Immunodiffusion
I.D.T.	Intradermal test.
I.F.A.T.	Indirect fluorescent antibody test.
I.H.A.T.	Indirect hemagglutination test.
KD_a	Kilo Dalton.
Kg	Kilo gram.
Log.	Logharithm.
M	Molar
Mg	Milligram.
m m	Millimeter
M.S.	Moderately significant.
M.W.	Molecular weight.

nm	Nanometer
No.	Number
N.S.	Non significant
OLM	Ocular larva migrans
P.A.T.	Precipitin absorption test.
P.B.S.	Phosphate buffered saline.
P-F_1	Purified-fraction$_1$.
P-F_2	Purified fraction$_2$.
P-F_3	Purified-fraction$_3$.
P-F_4	Purified-fraction$_4$.
P-F_5	Purified-fraction$_5$.
Photo.	Photographs.
R.B.Cs.	Red Blood Corpuscles.
S.	Significant
s.	Sensitivity
SAFA	Soluble antigen fluorescent antibody assay.
sp.	Specificity
spp.	Species.
μm	Micrometer.
μl	Microliter.
V.L.M.	Visceral larva migrans.
y.	years

LIST OF TABLES

LIST OF FIGURES

LIST OF PHOTOGRAPHS