DIAGNOSTIC VALUE OF DIFFERENT TESTS THAT DISCRIMINATE BETWEEN DIFFERENT AETIOLOGIC TYPES OF PLEURAL EFFUSION

Thesis
Submitted in Partial Fulfillment of
Master Degree In Pediatrics

By

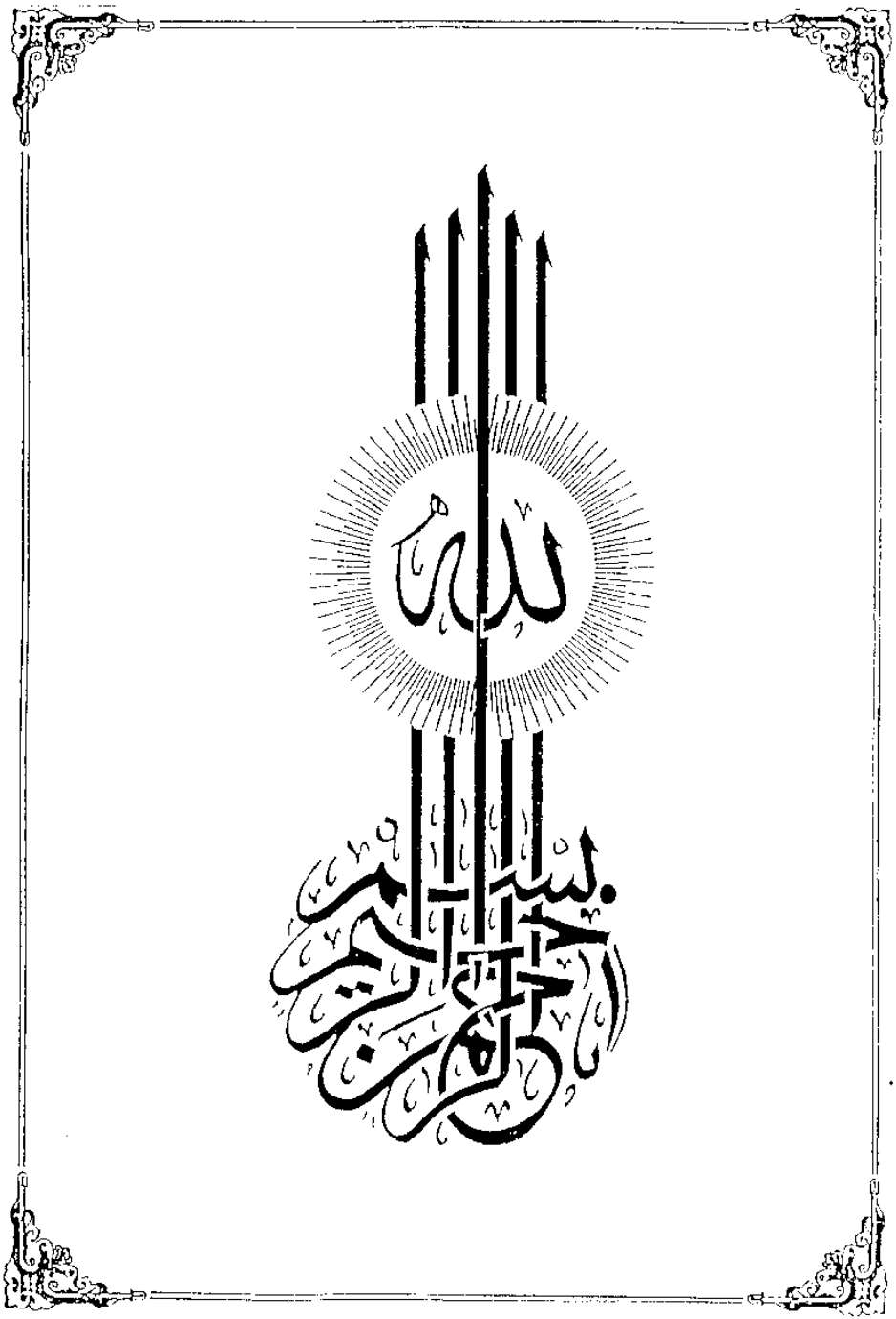
Rasha Tarif Mohammed Hamza

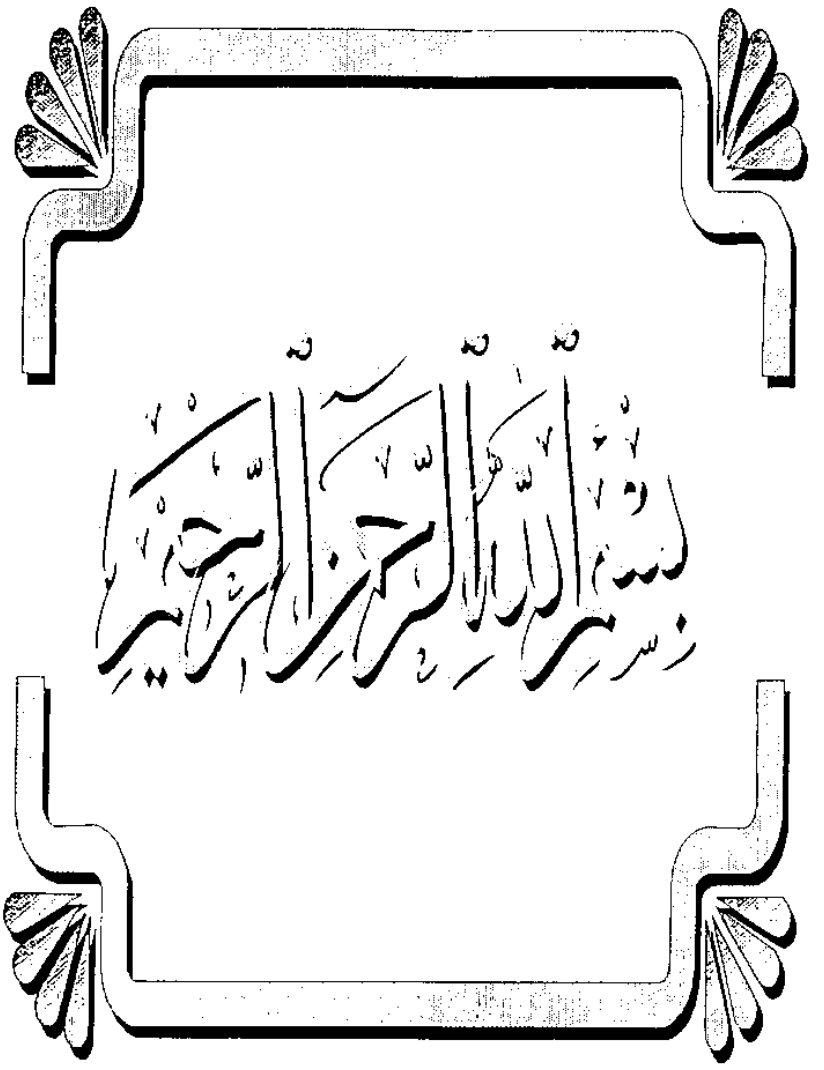
Supervisors

Prof. Dr. KARIMA A. ABD EL-KHALEK
Professor of Pediatrics
Dr. MAHMOUD TAREK ABD EL-MONIM
Assistant Professor of Pediatrics
Dr. AMAL ZAGHLOUL ABD EL-HALIM
Lecturer of Clinical Pathology

Faculty of Medicine
Ain Shams University

1999





ACKNOWLEDGEMENT

I would like to express my grateful thanks to **Prof. Dr. Karima Abd El-Khalek,** Professor of Pediatrics, Ain Shams University, whose guidance and understanding helped me to overcome any obstacles. Inspite of her overcrowded time and many responsibilities, she was never chary in giving me guidance and advice. She suggested the subject, supplied many facilities for the practical part, supplied me with some unavailable references and on the whole, she offered, as far as chances permitted, much of her unlimited experience in scientific research. These few words hardly do justice to thank Professor Karima.

I would like to express my supreme gratitude and deep appreciation to **Dr. Mahmoud Tarek Abd El-Monim,** Assistant Professor of Pediatrics, Ain Shams University, for his close supervision and continuous guidance throughout the thesis. He supervised all the details of this work, patiently revised it word by word, and instructively directed my attention to proper ways.

I owe special thanks to **Dr. Amal Zaghloul,** Lecturer of Clinical Pathology, Ain Shams University. She revised all the laboratory work throughout its various steps, suggested the statistical methods to be followed and helped in the preparation of tables and graphs.

To my Professors and Colleagues in Pediatric Department, I wish to express my gratitude personally for each. They supplied cases for the study and I felt all the time that all of them tried to remove the obstacles from my way.

LIST OF ABBREVIATIONS

AFB:	Acid fast bacilli.
A-G:	Albumin gradient.
Bil:	Bilirubin.
Cholest:	Cholesterol.
DE:	Diagnostic efficacy.
Fig:	Figure.
IU:	International unit.
KD:	Kilodalton.
LDH:	Lactic dehydrogenase.
LDH-PF:	Lactic dehydrogenase in pleural fluid.
LDH-R:	Lactic dehydrogenase ratio.
PF:	Pleural fluid.
PMNs:	Polymorphonuclear leucocytes.
P-R:	Protein ratio.
P/S:	Pleural fluid to serum ratio.
R:	Ratio.
SN:	Sensitivity.
SP:	Specificity.
T.protein:	Total protein.

LIST OF FIGURES