

ESOPHAGEAL MOTILITY AFTER PORTO-AZYGOS DISCONNECTION IN PORTAL HYPERTENSIVE PATIENTS

Thesis

Submitted for the partial fulfillment of
M.Sc. degree in General Surgery



By

AHMED ABD EL-HAMID

M.B., B.Ch. (1994)
Ain Shams University

64281

617.548

A. A

Supervised by

PROF. DR.

ALAA OSMAN

Professor of Surgery
Faculty Of Medicine
Ain Shams University

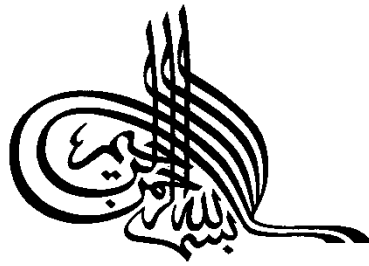
DR.

FATHY KH. AHMED

Head Of GIT Surgery Dept.
Head Of El-Kobba Surg. Hosp.
Military Medical Academy

Faculty Of Medicine
Ain Shams University
1999





”قالوا سبحانك لا علم لنا إلا ها
علمتنا إنك أنت العليم الحكيم“

البقرة آية ٣٢

صَلَّى
الْعِظَمِ

**To My
Parents**

ACKNOWLEDGMENT

Thanks first and last to God as we owe him for his great care, support and guidance in every step in our life.

*Words do fail me when I come to express my sincere indebtedness, profound gratitude and cordial appreciation to my **Prof. Dr. Alaa Osman** Professor of surgery, Faculty Of Medicine, Ain Shams University, for his moral support, valuable supervision and for enabling me to fulfill this work.*

*I am greatly honored to express my sincere thanks to **Dr. Fatby Kb. Ahmed**, Head Of GFT Surgery Department, Head Of El-Koba Surgery Hospital, Military Medical Academy, by whom I was very much impressed for his sincere guidance, noble characters, generous attitude, sympathy, and great help. No words can be sufficient to express my gratitude and indebtedness.*

Finally, I would like to extend my deep thanks to all my colleagues in the GFT Surgery department, Kobry El-Kobba hospital for their great help and care enabling me to fulfill this work.

Ahmed

CONTENTS

	<u>PAGE</u>
• INTRODUCTION AND AIM OF WORK -----	1
• REVIEW OF LITERATURE -----	3
- <i>Anatomy of the esophagus</i>	3
- <i>Physiology of the esophagus</i>	11
- <i>Esophageal motility</i>	18
• PATIENTS AND METHODS-----	36
• RESULTS -----	44
• DISCUSSION-----	61
• SUMMARY AND CONCLUSION -----	67
• REFERENCES -----	70
• ARABIC SUMMARY	

LIST OF FIGURES

<u>Fig.</u>		<u>PAGE</u>
1	Esophagus in the thorax and upper part of the abdomen -----	4
2	Anatomical relations of the esophagus -	10
3	Normal gastric resting rhythm -----	24
4	Normal lower esophageal sphincter pattern -----	26
5	Normal pattern of the esophageal body	28
6	Normal upper esophageal sphincter pattern -----	33
7	Motility catheter -----	34
8	Perfusion pump -----	39
9	Recorder -----	40
10	Tertiary waves -----	55
11	Body motility preoperatively -----	56
12	Body motility post-operatively (1 month) -----	57
13	Body motility post-operatively (3 months) -----	58
14	Body motility post-operatively (6 months) -----	59
15	Body motility post-operatively (12 months) -----	60

Introduction & Aim Of Work

