

بسم الله الرحمن الرحيم



-C-02-50-2-





شبكة المعلومات الجامعية التوثيق الالكتروني والميكرونيلم





جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأقراص المدمجة يعيدا عن الغيار







بالرسالة صفحات لم ترد بالأصل









BILCLE

STUDY OF ESOPHAGO-GASTRIC MOTILITY AND pH DISTURBANCES IN RELATION TO LIVER CIRRHOSIS

Thesis

Submitted for partial fulfilment of M.D. Degree In GENERAL INTERNAL MEDICINE

By

MAHMOUD ABD EL-AZIZ KOURA

(M.B., B.Ch. - M.Sc. General Medicine)

Under Supervision of .

> Prof. Dr. Galal M. Amer

Professor of Internal Medicine Faculty of Medicine, Menoufia University



Prof. Dr. Mahmoud Badawy

Professor of General Surgery Faculty of Medicine, Menoufia University

Dr. Ibrahim M. Baghdadi

Assistant Professor of General Medicine, Faculty of Medicine, Menoufia University

Dr. Nabil A. El-Kafrawy

Assistant Professor of General Medicine,

Faculty of Medicine, Menoufia University

FACULTY OF MEDICINE MENOUFIA UNIVERSITY 2001

STUDY OF ESOPHAGO-GASTRIC MOTILITY AND pH DISTURBANCES IN RELATION TO LIVER CIRRHOSIS

THESIS

Submitted for partial fulfilment of M.D. Degree in GENERAL INTERNAL MEDICINE

By
MAIHMOUD ABD EL-AZIZ KOURA
(M.B., B,Ch. - M.Sc. General Medicine)

EXAMINING COMMITTE

Prof. Dr. Galal M. Amer
Professor of Internal Medicine
Faculty of Medicine, Menoufia University

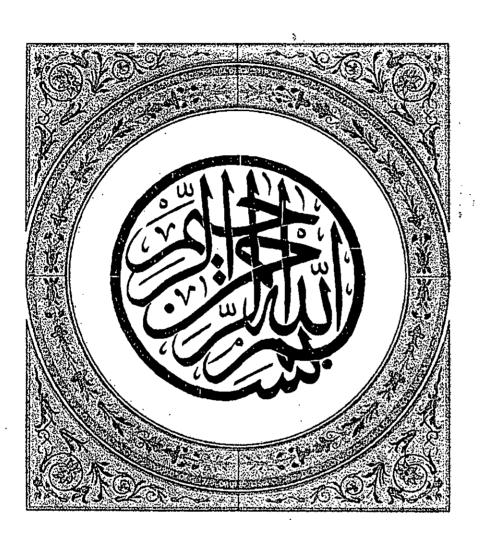
Prof. Dr. Sanaa S. Gazzarine d

Professor and head of internal medicine departement,
Faculty of Medicine, Menoufia University

Prof. Dr. Mohamed A. Riffat

Professor and head of internal medicine departement, Faculty of Medicine, Zagazig University

FACULTY OF MEDICINE MENOUFIA UNIVERSITY 2001



では、10%



ACKNOWLEDGEMENT

"Thanks to God before and after"

I would like to express my sincere gratitude to *Prof. Dr. Galal M. Amer*, Professor of Internal Medicine Department, Faculty of Medicine, Menoufiya University, whose guidance, help and sincere supervision were the cornerstone in the building up of this thesis. He kindly supervised all the details of this work and revised all the work throughout its various steps. A few words could hardly do justice to thank Prof. Dr. Galal M. Amer.

I would like to express my gratitude to *Prof. Dr. Ibrahim Baghdadi*, Assistant Professor of Internal Medicine, Faculty of Medicine, Menoufia University, for his valuable help, cooperation, encouragement. He offered me much of his unlimited experience in this research.

I would like to express my gratitude to *Prof. Dr. Nabil El-Kafrawy*, Assistant Professor of Internal Medicine, Faculty of Medicine, Menoufia University, for his kind supervision and continuous encouragement and his great support enable me to carry out this work.

I would like to express sincere gratitude to *Prof. Dr. Mahmoud Badawy*, Professor of General Surgery, Faculty of Medicine, Menoufia University, for his generous advice, and huge assistance in the practical part of this work.

I would like to express my greatest thanks to *Prof. Dr. Nabil Gad-Elhak*, Professor of General Surgery and Head of Motility Unit Gastroenterology Center, Faculty of Medicine, Mansoura University, for generous advice and huge assistance in the practical part of this work.

I would like to express my gratitude to all members of Internal Medicine Department for their help and cooperation during preparing this work.

CONTENTS

	Page
• Introduction	. 1
• Aim of the Work	4
• Review of Literature	5
- Liver cirrhosis	5
- Esophageal motility in health and diseases	15
- Gastric motility in health and diseases	48
- Gastric pH changes in health and disease	69
- Dysmotility and gastric pH changes in cirrhotics	82
• Subjects and Methods	90
Results	102
Discussion	142
Summary	154
Conclusion	157
Recommendation	159
References	160
Arabic Summary	