سامية محمد مصطفى



شبكة المعلومات الحامعية

# بسم الله الرحمن الرحيم



-Caro-

سامية محمد مصطفي



شبكة العلومات الحامعية



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم





سامية محمد مصطفى

شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

# قسو

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



سامية محمد مصطفي



شبكة المعلومات الجامعية



المسلمة عين شعور المسلمة عين شعور المسلمة عين شعور المسلمة عين شعور المسلمة ا

سامية محمد مصطفى

شبكة المعلومات الحامعية



بالرسالة صفحات لم ترد بالأصل



# GASTRIC MUCOSA ON BLOOD AMMONIA LEVEL IN HEALTHY PERSONS AND IN PATIENTS WITH DECOMPENSATED LIVER CIRRHOSIS

Thesis
Submitted in Partial Fulfillment for
The Master Degree in Internal Medicine

AMR MOSTAFA EL-HAMMADY (MB.B.Ch.)

Supervisors

#### PROF. DR. ADEL EL-SHEIKH

Prof. of Internal Medicine Benha Faculty of Medicine Zagazig University

### DR. MOHAMED AMR AFIFI

Lecturer of Internal Medicine Benha Faculty of Medicine Zagazig University

## PROF. DR. NEVEEN ABDEL-HAFEEZ

Prof. of Clinical Pathology Benha Faculty of Medicine Zagazig University

### DR. AHMED ABDEL-MOTELER

Lecturer of Internal Medicine Benha Faculty of Medicine Zagazig University

BENHA FACULTY OF MEDICINE ZAGAZIG UNIVERSITY

1999

32/0/01

The was man act leader to your withink to be made a com-

e distance of the contract of

# EFFECT OF HELICOBACTER PYLORI INFECTION OF GASTRIC MUCOSA ON BLOOD AMMONIA LEVEL IN HEALTHY PERSONS AND IN PATIENTS WITH DECOMPENSATED LIVER CIRRHOSIS

# **Thesis**Submitted in Partial Fulfillment for The Master Degree in Internal Medicine

# AMR MOSTAFA EL-HAMMADY (MB.B.Ch.)

#### Supervisors

#### PROF. DR. ADEL EL-SHEIKH

Prof. of Internal Medicine Benha Faculty of Medicine Zagazig University

## DR. MOHAMED AMR AFIFI

Lecturer of Internal Medicine Benha Faculty of Medicine Zagazig University

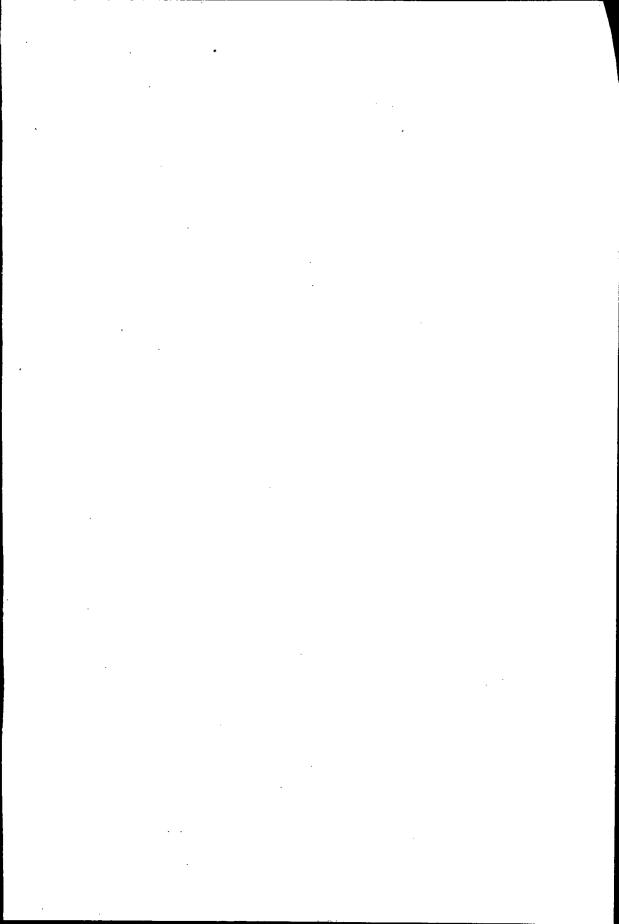
### PROF. DR. NEVEEN ABDEL-HAFEEZ

Prof. of Clinical Pathology Benha Faculty of Medicine Zagazig University

## DR. AHMED ABDEL-MOTELER

Lecturer of Internal Medicine Benha Faculty of Medicine Zagazig University

BENHA FACULTY OF MEDICINE ZAGAZIG UNIVERSITY



## **ACKNOWLEDGMENT**

Before all and above all, thanks to  $\mathbf{GOD}$ , to whom  $\ \ \mathbf{I}$  relate every success in my life.

I would like to express my profound gratitude and cordial appreciation to my *PROF*. *DR*. *ADEL ABDALLA EL-SHEIKH*, Professor and Head of Department of Internal Medicine, Benha Faculty of Medicine, for his moral support, valuable supervision, and fruitful criticism.

I wish also to express my deepest thanks to *PROF. DR. NEVEEN* ABDEL-HAFEEZ, Professor of Clinical Pathology, Benha Faculty of Medicine, for her generous cooperation and constructive supervision during this work.

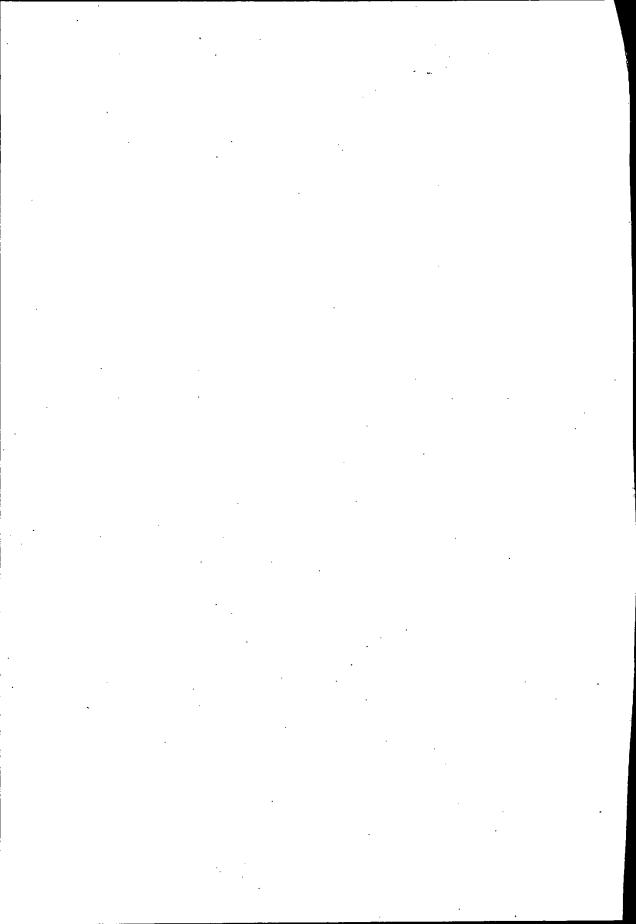
Special acknowledgment is given to *PROF. DR. LAILA SEEDA*,
Assistant Professor of Pathology Department, Benha Faculty of
Medicine, for her unfailing advice and generous help.

Indeed, words do fail me when I come to express my sincere indebtedness to *DR*. *MOHAMED AMR AFIFI*, Lecturer of Internal Medicine, Benha Faculty of Medicine, for his extraordinary honest effort and help. I was much impressed by his noble character, patience, and sympathy. His gifted talent and witty hints smoothed a lot of the material, that otherwise seemed tough and unpalatable.

I'm greatly thankful to *DR. AHMED ABDEL-MOTELEB*, Lecturer of Internal Medicine, Benha Faculty of Medicine, Zagazig University for his guide and assistance to perform this work in the present manner.

# LIST OF TABLES

Table	Title	Page No.
No.	· ·	
1	Sex distribution of the studied group.	52
2	Age distribution of the studied group.	53
3	Comparison between the studied group regarding	54
	age.	
4	Blood picture of the studied group.	55
5	Liver function tests of the studied group.	57
6	Kidney function tests of the studied group.	59
7	Rapid urease test for detection of Helicobacter	61
	pylori in the studied group.	
8	Results of rapid urease test for detection of	62
	Helicobacter pylori infection in DLC with and	
	without H.E.	
9	Results of histopathological examination for	65
	detection of Helicobacter pylori infection of the	
	studied group.	
10	Results of histopathology for detection of	66
	Helicobacter pylori in DLC patients with and	
	without H.E.	
11	Results of ELIZA in detection of Helicobacter	69
	pylori infection in the studied group.	
12	Results of ELIZA in detection of Helicobacter	70
	pylori in DLC patients with and without H.E.	
13	Blood ammonia level of the studied group.	73
14	Blood ammonia level in patients with and without	74
	H.E.	
15	Gastric ammonia level of the studied group.	77
16	Gastric ammonia level in patients with and without	78
	H.E.	



# **LIST OF FIGURES**

Figure	Title	Page No.
No.		
1	Blood picture among the studied groups.	56
2	Liver function tests among the studied groups.	58
3	Kidney function tests among the studied groups.	60
4	Results of R.U. test among the studied groups.	63
5	Results of R.U. test among patients with and without Hepatic Encephalopathy	64
6	Histopathological examination among the studied groups.	67
7	Histopathological examination among patients with and without Hepatic Encephalopathy.	68
8	Results of IgA, IgG (ELIZA) among the studied groups.	71
9	Results of IgA, IgG among patients with and without hepatic Encephalopathy.	72
10	Blood ammonia level among the studied groups.	75
11	Blood ammonia level in patients with and without Hepatic Encephalopathy.	76
12	Gastric ammonia level among the studied groups.	79
13	Gastric ammonia level in patients with and without Hepatic Encephalopathy.	80

