STUDY OF OESOPHAGEAL MOTILITY IN CIRRHOTIC PATIENTS BEFORE AND AFTER PROPHYLACTIC ENDOSCOPIC VARICEAL LIGATION

Submitted In Partial Fulfillment of M.D. Thesis In Tropical Medicine

By

Mohsen Ragheb Mohamed
M. Sc. **Of Tropical Medicine**

Supervisors

Dr. IMAN ISMAIL RAMZY
Prof. Of Tropical Medicine
Faculty of Medicine
Cairo University

Dr. Bahaa Abbas Yahia
MD, MRCP (UK), FRCP (London)
Head of Medical Dept. & GI Unit
Air Force Hospital

Dr. Hesham El Makhzangy
Lecturer of Tropical Medicine
Faculty of Medicine
Cairo University

2008

بسم الله الرحمن الرحيم

"ويسئلونك عن الروح قل الروح من امر ربى
وما أوتيتم من العلم إلا قليلا"

صدق الله العظيم

سورة الإسراء– ايه ٨٥

To my Family

My Parents, who gave me the freedom to reach and grow but who picked me when I stumbled or fell.

My wife, for her continuous support.

AKNOWLEDGEMENT

I wish to express my gratitude &sincere thanks to Dr.Iman Ramzy professor of Tropical Medicine, Cairo University for her kind assistance, support &supervision which were essential for completion of this work.

I would like to gratify Dr.Bahaa Abass Yahia professor and head of int.medicine &GI unit Air Force Hospital for his kind care, guidance&reassurance.

I extend my thanks to Dr. Hesham El-Makhzangy Lecture of Tropical Medicine, Cairo University for his honest helped and valuable suggestions which were essential for completion of this work.

I wish to express my sincere thanks to all members department of Int.Medicine &GI unit Air Force Hospital for Their help through the work.

Abstract

Our study was conducted on 90 subjects attending Air Force Hospital, in the period from 2003 to 2007; they were divided into 3 groups.

Group (1) liver Cirrhosis with large oesophageal varices showing signs of impending rupture consisted of 50 patients.

Group II: liver Cirrhosis without oesophageal varices consisted of 20 patients.

Group (III): Healthy volunteers consisted of 20 subjects.

Key Words :

Arterial portography - Budd-Chiari syndrome - carbon monoxide .

CONTENTS

List of Tables

Results:

List of Figures

Page

Review of literature:

Results:

List of Photo

List of abbreviations

ALT-SGPT: alanin aminotransferase
AP: Arterial portography
AST- SGOT: aspartate aminotransferase
AT-II: angiotensin-II
B.C.S.: Budd-Chiari syndrome
BH4: tetrahydrobiopterin
CI: confidence interval
CO: carbon monoxide
CT: Computed tomography
DES: Diffuse esophageal spasm
DPC: deglutitive peristaltic contractions
EIS: Endoscopic injection Sclerotherapy
eNOS: endothelial nitric oxide synthase
ETs: endothelins
EUS: endoscopic ultrasonography
EVL: variceal endoscopic ligation
FHVP: free hepatic vein pressure
GERD: Gastro-esophageal reflux disease
GEV: Gastroesophageal varices
GFR: Glomerular filtration rate.
GIP: gastric inhibitory peptide
HBV: hepatitis B virus
HCV: hepatitis C virus
HO: haeme-oxygenase
HSC: Hepatic stellate cells
HVPG: hepatic venous pressure gradient
IHVR: Intrahepatic vascular resistance
IMN: Isosorbid mononitrate
ICUs: Intensive care units
ISMN: Iso-sorbid mono-nitrate
IVC: Inferior vena cava
LES: Lower Oesophageal Sphincter
L-NMMA: monomethyl-L-arginine
LT: leukotrienes.
MRA: magnetic resonance angiography
MRI: Magnetic resonance imaging