## POSTOPERATIVE PERITONITIS

Essay
Submitted for partial fulfilment of
M.S. degree in General Surgery

By

Alaa Salah El Deen Abd-Allah

Ghallab

MJ.R.B.ch

<u>Supervised by</u>

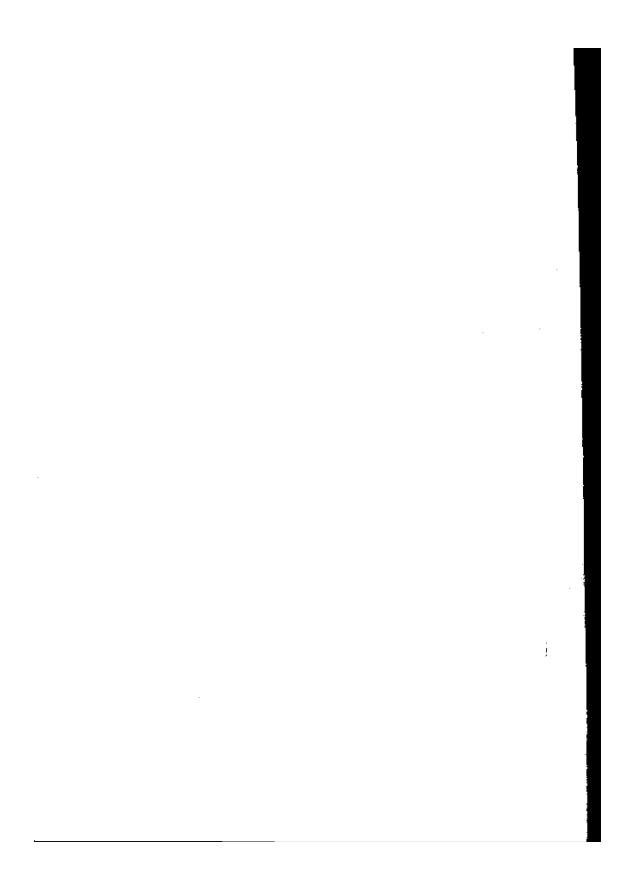


Professor of general surgery Ain Shams University

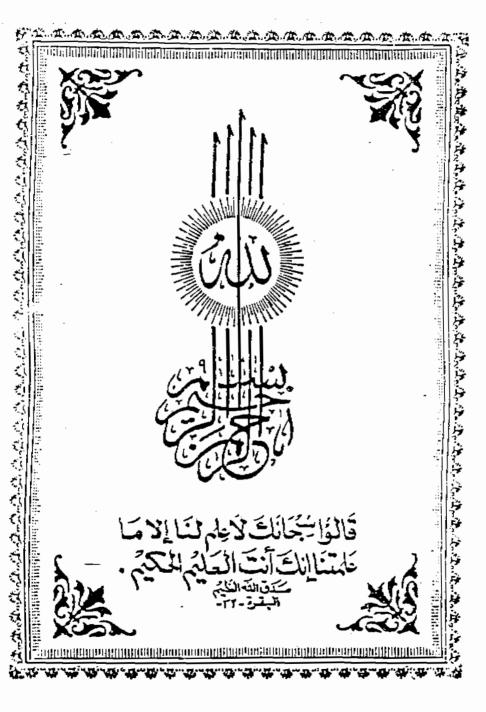
D<u>r.,</u> Hisham Hassan Wagdy

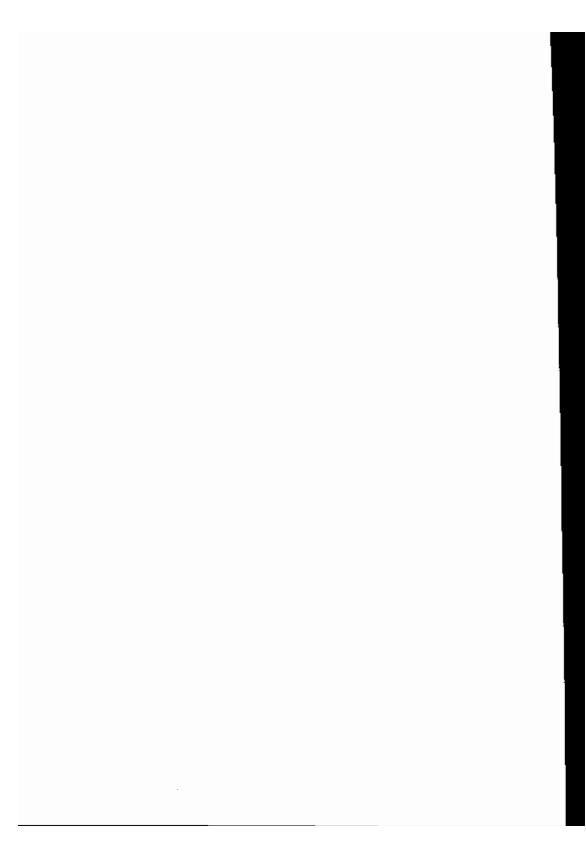
Lecturer of general surgery
Ain Shams University

Ain Shams Faculty of Medicine Cairo - 1996









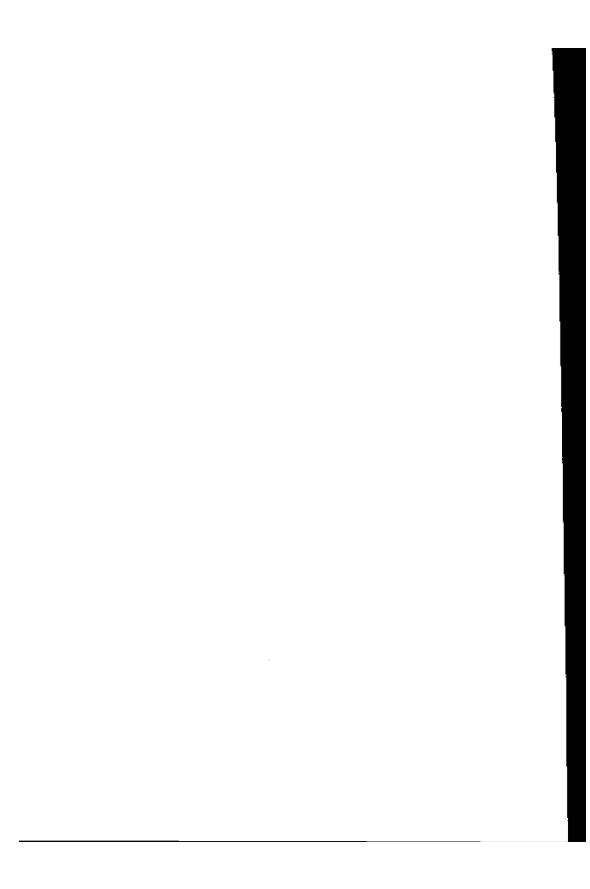
## ACKNOWLEDGMENT

Thanks for "ALLAH" for helping me to complete this work.

I would like to express my utmost gratitude, deepest appreciation and great thanks to Prof. Dr., Alaa Abd-Allah Farrag professor of General Surgery Faculty of Medicine, Ain Shams University for his close supervision, kind instruction and advises that help me in finishing this work.

I would like to express my great thanks and appreciation to. Dr., Hisham Hassan Wagdy Lecturer of General Surgery Faculty of Medicine, Ain Shams University for his priceless guidance with enormous effort in helping me in assembling the most fine details of this work

Alaa Ghallab



### **DEDICATION**

To ...



# ALAA GHALLAB

 	_	

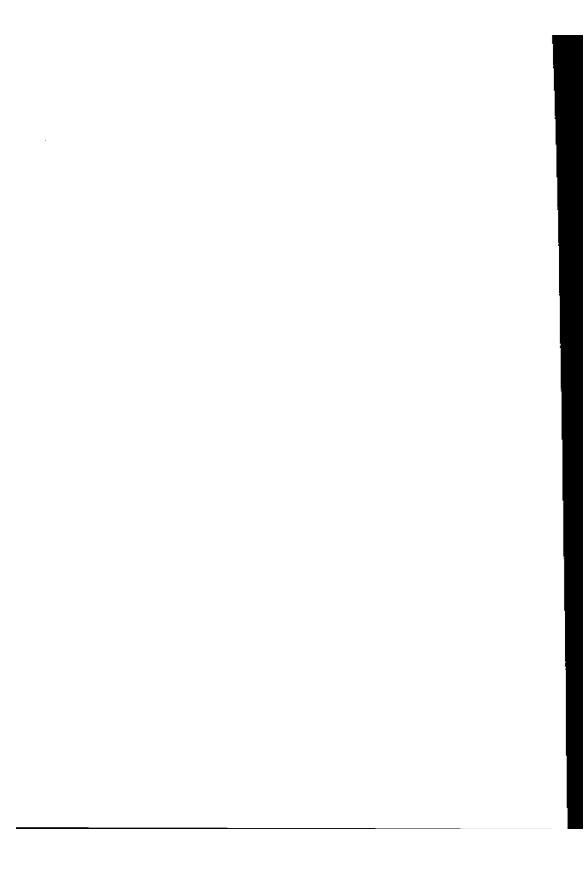
## Contents

In this study , we are going to review the literature of	going to review the literature of the		
following subjects:	Page		
1- Introduction	1 - 3		
2- Anatomy of the peritoneal cavity.	4 - 12		
3- Microbiology of postoperative peritonitis	13 - 26		
4- Aetiology of postoperative peritonitis	27 - 71		
5- Pathology of postoperative peritonitis	72 -101		
6- Diagnosis of postoperative peritonitis	102 - 135		
7-Complication of postoperative peritonitis	136 - 1 59		
8- Management of postoperative peritonitis	160 - 2 <b>5</b> 2		
9- Prognosis of postoperative peritonitis			
9- English Summary	213 - 215		
10- List of References	. 216 - 235		
11- Arabic summary			

#### List of tables

- (3-1)Peritoneal isolates at laparotomy.
- (3-2)Organisms associated with intraabdominal sepsis.
- -(5-1)Bacterial count in blood and peritoneum during peritonitis.
- -(7-1)Definition and score of multiple organ failure.(Goris)
- -(7-2) Definition of multiple organ failure (Knauss)
- -(8-1)Antibiotic therapy for secondary peritonitis.
- -(8-2) Emperic therapy of abdominal sepsis.
- (9-1) APACHE II severity of disease classification system.

List of figures	Page
(2-1) Lining of the peritoneal cavity.	5
(2-2)Subphrenic spaces.	7
(3-1) The spectrum of peritoneal microorganism depend	22
on the level of perforation.	
(5-1) The spread of liquid inside the peritoneal cavity.	90
(5-2) Peritoneal fluid circulation.	95
(5-3) Peritoneal spaces dependent in the supine position	96
(5-4) Gravitation of peritoneal fluid to the dependent area	96
of the peritoneal cavity.	
(6-1)Ultrasound scan show collection of pus in the subhepatic	122
space.	
(6-2) C.T scan of subphrenic abscess.	125
(6-3) C.T scan of pelvic abscess.	125
(9-1) Mortality of patient and associated APACHE-II score	207
(9-2) Relation between APACHE score and predicted	207
mortolity for patients with intraabdominal infection.	207
(9-3) Patients operated for intraabdominal infection and	207
associated mortality	
(9-4) Duration of symptoms in patients operated for	207
intraabdominal infection and associated mortality.	
(9-5) Relation of white blood cell preceding initial operations	
in patients with intraabdominal infection and associated mort	
(9-6) Mechanism of intraabdominal infection and associated	208
mortality.	
(9-7) Anatomic origin of intraabdominal infection and	208
associated mortality .	208
(9-8) Age and mortality of patients treated for intraabdominal	200
infection.	
(9-9) Risk factors and associated mortality of intraabdominal	<b>2</b> 09
infection.	
(9-10)Outcome following three different operative strategies	203
for postoperative peritonitis.	



# INTRODUCTION OF POSTOPERATIVE PERITONITIS