

✓ OK on D wk 60

**FUNCTIONAL OUTCOME FOLLOWING  
ESOPHAGECTOMY AND GASTRIC PULL-UP  
FOR ESOPHAGEAL CANCER**

Thesis submitted in partial fulfilment  
for the degree of M.D. in General surgery

6/6.994  
M.Z.

By

**Mohamed Zaki El-Killany**

M.B.B.,CH.and M.SC.Ain Shames University.



*Supervised by*

57355

**Professor DR. Hamdy Mahmoud Abdalla**

Professor of general surgery. Ain Shams University.

**Professor DR. Patrick Lozac'H.**

Professor of general surgery-Brest University-France.

**Dr.Ahmed.A.Abou Zeid**

Assistant professor of general surgery. Ain Shams University.

**Dr.Reda Saad**

Lecturer of general surgery-Ain Shams University.

**Faculty of medicine  
Ain Shams university**

**1999**









قالوا سبحانك لا علم  
لنا إلا ما علمتنا إنك  
أنت العليم الحكيم

صلى الله على محمد

البقرة - ٣٢



## **DEDICATION**

**I WOULD LIKE TO DEDICATE THIS THESIS TO MY  
BELOVED WIFE, MOTHER, FATHER, AND ALL  
MEMBERS OF MY FAMILY.**



## **ACKNOWLEDGMENT**

I am extremely grateful and thankful to god for without his mercy and help, this work would not have been accomplished.

It is a great pleasure to express my sincere thanks and gratitude to professor Dr. Hamdy abdalla, professor of general surgery, Ain Shams University for his great encouragement, support, kind supervision and for giving me the chance to work in the Caval Blanche Hospital, where I carried this work and benefited enormously from the scientific atmosphere and clinical practice done there.

I am indebted to Professor Patrick Lozac'H, Professor of general surgery, Brest University, France, I am truly grateful for his support, advice and teaching.

I am also deeply grateful to Professor Dr. Ahmed Abdel-aziz, professor general surgery, Ain Shams University for his kind patience, detailed supervision and his continuous encouragement. He spent a lot of time and did much effort revising every word in this work.

A very special word of thanks must be said to Dr. Reda saad, lecturer of general surgery, Ain Shams University, to all patients, all my colleagues, and to all members of my family and wife's family for various facilities and help offered by them during the progress of this work.



## **LIST OF ABBREVIATIONS**

P.I.P : Pressure inversion point.

SPT : Stationary pull-through.

RPT : Rapid pull-through.

LES : Lower esophageal sphincter.

UES : Upper esophageal sphincter.

NCCP: Non-cardiac chest pain.

OESO: International Organization for statistical studies on diseases of the Esophagus.

GOR : Gastroesophageal reflux.

GIT : Gastrointestinal tract.



<b>CONTENTS</b>	<b>PAGE</b>
1- Introduction and aim of work .	1-2.
2- Review of literature:	
• Surgical anatomy of the esophagus.	3-29.
• Physiology of the esophagus and its sphincter.	30-37.
• Esophageal manometry.	38-57.
• Esophageal Carcinoma.	58-81.
3- Patients and methods.	82-93.
4- Results.	94-105.
5- Discussion.	106-114.
6- Conclusion.	115-116.
7- Recommendations.	117-118.
8- English summary.	119-120.
9- References.	121-143.
10- Arabic summary.	



# **INTRODUCTION AND AIM OF WORK**

