

# **RECENT TRENDS IN MANAGEMENT OF ADVANCED CANCER BLADDER**



**Essay**

**Submitted for Partial Fulfillment of  
Master Degree in Urology**



**By**

**TAREK ABD EL-HALIM MANSOUR**

**(M.B., B.Ch., Ain Shams University)**

**Supervised By**

**DR. ABD EL-HAMID YOUSSEF**

**Professor of Urology, Ain Shams University**

**DR. TAREK ZAHER**

**Assistant Prof of Urology  
Faculty of Medicine,  
Ain Shams University**

**DR. ATEF YOUSSEF**

**Assistant Prof. of Radiotherapy  
Faculty of Medicine  
Ain Shams University**

**FACULTY OF MEDICINE  
AIN SHAMS UNIVERSITY  
1996**





بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

اقْرَأْ بِاسْمِ رَبِّكَ الَّذِي خَلَقَ

خَلَقَ الْإِنْسَانَ مِنْ عَلَقٍ

اقْرَأْ وَرَبُّكَ الْأَكْبَرُ الَّذِي عَلَّمَ بِالْقَلَمِ

عَلَّمَ الْإِنْسَانَ مَا لَمْ يَكُنْ يَعْلَمُ

الصفحة ٥٠١



## ACKNOWLEDGEMENT

Words can never express my deepest gratitude and appreciation to **Prof. Dr. Abd El-Hamid Youssef**, Professor of Urology, Ain Shams University, for his great supervision, unforgettable valuable generous advice and faithful guidance.

My particular and deepest thanks to **Dr. Tarek Zaher**, Assistant Professor of Urology, Ain Shams University, who showed extraordinary care and guidance to me all through this study.

I am grateful to **Dr, Atef Youssef**, Assistant Professor of Radiotherapy, Ain Shams University for his great support, great help and unending guidance in preparing and finishing this work.



## LIST OF TABLES

<b>Table (1):</b> .....	(18)
Classification of non-malignant urothelial abnormalities.	
<b>Table (2):</b> .....	(28)
Illustration comparing the original classification of jewett and strong with modification by jewett and Marrshall and with T.N.M. System.	
<b>Table (3):</b> .....	(29)
TNM staging protocol for Bladder Cancer, UICC (1974).	
<b>Table (4):</b> .....	(57)
Results of more recent series of cystectomy for invasive bladder cancer.	
<b>Table (5):</b> .....	(64)
Results of Radiation Therapy for Invasive Bladder Cancer	
<b>Table (6):</b> .....	(65)
Results of Preoperative Irradiation Followed by Cystectomy for Invasive Bladder Cancer:	
<b>Table (7):</b> .....	(70)
Karnofesky Performance Index:	



<b>Table (8):</b> .....	(91)
Single agents for urothelial tumors	

<b>Table (9):</b>	
Single agents for squamous cell carcinoma of the bilharzial bladder.	
(a) Drugs with limited activity .....	(92)
(b) Drugs with activity .....	(93)

<b>Table (10):</b> .....	(112)
Comparison of adjuvant and neoadjuvant therapy.	

## CONTENTS

INTRODUCTION ..... ( 1)

AIM OF THE WORK ..... ( 2)

### REVIEW OF LITERATURE:

Anatomy of the urinary bladder ..... ( 3)

Pathology of cancer bladder ..... (13)

Clinical presentation ..... (36)

Investigations ..... (38)

Treatment modalities of invasive cancer bladder .(51)

SUMMARY AND CONCLUSIONS ..... (121)

REFERENCES ..... (125)

ARABIC SUMMARY.



# INTRODUCTION



---

## INTRODUCTION

Out of all patients of cancer in Egypt, cancer bladder constitutes 27% (El.Sebaie, 1973) and recent study in Egypt by (El-ghamraui et al., 1990), they found 683 cases of cancer bladder among 11548 cases of cancer (5.9%) which is a high percentage in comparison with the U.S.A and Europe, which is in male between 2 and 7, and in female between 1 and 2.5 per 100,000 (Mantonashi et al., 1981).

Though the management of advanced cancer bladder is some how considered a problem for surgeons, as they have to find the most suitable way for the management of these cases according to the degree of invasion and metastasis of the tumor.

