Contents

Subjects	Page
List of abbreviations	II
List of Figures	III
List of Tables	IV
• Introduction	1
Aim of the work	3
• Review of Literature	
 Anatomy of Urinary Bladder Epidemiology and risk factors of urinary bladder tumors . 	
Tumor grading and staging	17
◆ Treatment of non muscle invasive bladder cancer	
♦ Transurethral resection of bladder tumors	
Second Look cystoassessment	
♦ Adjuvant treatment	
 Cystectomy for non invasive bladder cancer Follow up of patients with non muscle invasive bladder 	ſ
tumor	
Patients and Methods	75
• Results	83
• Discussion	95
• Summary	106
• Conclusion	108
• References	109
• Arabic Summary	

List of Abbreviations

5 ALA 5 Aminolevulinic Acid

AUA American Urological Association

BCG Bacillus Calmette Guerin

CIS Carcinoma In Situ

CT Computerized Tomography

DRE Digital Rectal Examination

EAU European Association of Urology

EORTC European Organization for Research and

Treatment of Cancer

HLA Hexaminolevulinate

ISUP International Society of Urological Pathology

NMIBC Non Muscle Invasive Bladder Cancer

PUNLMP Papillary Urothelial Neoplasm of Low

Malignant Potential

PV Per Vaginal Examination

Re TURBT Re Transurethral Resection of Bladder Tumors

SCC Squamous Cell Carcinoma

TCC Transitional Cell Carcinoma

TNM Tumor, Nodes and Metastases

TUR Trans Urethral Resection

TURBT Trans Urethral Resection of Bladder Tumors

WHO World Health Organization

List of Figures

Figure No.	Title	Page No.
Figure (1)	Median sagital section through female pelvis showing the urinary bladder relations.	5
Figure (2)	Median sagital section through male pelvis showing relation of the urinary bladder.	5
Figure (3)	Bladder neck and sphincter of the urinary bladder.	8
Figure (4A)	CT cut of female pelvis shows the urinary bladder; uterus (U); both ovaries (O); left ovarian ligament(arrow) and left round ligament (arrow head).	12
Figure (4b)	Another CT cut.	13
Figure (5 A, B)	Normal CT cuts of male pelvis at different levels.	14

List of Tables

Table No.	Title	Page No.
Table (1)	TNM staging system.	23
Table (2)	Anatomic Stage/Prognostic Groups.	24
Table (3)	Recommendations for adjuvant therapy in TaT1 tumours and for therapy of CIS.	69
Table (4)	Treatment recommendations in TaT1 tumours according to risk stratification EUA.	70
Table (5)	Recommendations for follow-up in patients after TUR of non-muscle-invasive bladder cancer.	73
Table (6)	Patients Characteristics.	84
Table (7)	Illustrates cystoscopic findings of the initial TURBT.	86
Table (8)	Describes the histo-pathological results of the initial TURBT.	87
Table (9)	Describes the cystoscopic findings of 2nd look cystoassessment and the rate of recurrent lesions.	89
Table (10)	Correlates between negative 2nd look cystoassessment and histo-pathological and morphological results of the first TURBT.	90

Table (11)	Correlates between histo-pathological and morphological results of the first TURBT and detection of recurrent tumors at the 2nd look cystoassessment.	91
Table (12)	Relation between patients whom upstaged to pT2 and their histopathological and morphological findings at the initial TURBT.	92
Table (13)	Correction of staging errors at second look cystoassessment.	93
Table (14)	Describes the rate of complication which occurred during the first TURBT and 2nd look cystoassessment.	94



Introduction





Aim of the Work





Review of Literature





Patients and Methods





Results





Discussion





Summary





Conclusion





References





Arabic Summary

