

LIST OF TABLES

Table		Page
I.	TNM staging for urinary bladder cancer, 7 th edition (2009).....	2
II.	Incidence of LN metastases following RC in contemporary series: correlation with primary BC.....	9
III.	Clinical and histopathological description of both study groups...	21
IV.	Comparison between the two studied groups according to total number of dissected LNs, tumour positive LNs and LN density.....	22
V.	Pathological characteristics of patients with LN disease at cystectomy.....	23
VI.	Literature survey of published studies till 2011 on the prognostic value of lymph node density.....	30

LIST OF FIGURES

Figure		Page
(1)	Schematic diagram of tumour staging of bladder cancer.....	4
(2)	Lateral view of urinary bladder lymphatics	5
(3)	Anatomy of pelvic vessels and nerves	6
(4)	The LN groups of the pelvis.	7
(5)	Study design.....	20
(6)	Histopathologic image of tumour free LN showing reactive lymphoid hyperplasia (H&E stain - x100)	24
(7)	Histopathologic image of tumour free LN showing reactive sinus histiocytosis (H&E stain - x400).....	24
(8)	Histopathologic images (a&b) of a LN showing near total replacement by diffuse cohesive sheets of carcinoma cells.	25
(9)	Histopathologic image of a LN showing malignant infiltration of perinodal fat and subcapsular sinuses (H&E stain-x400).	26

LIST OF ABBREVIATIONS

ASR	Age standardized incidence rate
BC	Bladder cancer
BCG	Bacillus Calmette–Guérin vaccine
Cis	Carcinoma in situ
CSS	Cancer-specific survival
DRE	Digital rectal examination
E	Eosin stain
FE	Fisher’s Exact test
H	Hematoxylin stain
LN	Lymph node
LND	Lymph node dissection
M	Metastasis stage
MRA	Multivariate regression analysis
MIBC	Muscle invasive bladder cancer
N/A	Not available
N	Nodal stage
OS	Overall survival
P	Pathologic stage
PSA	Prostate specific antigen
RC	Radical cystectomy
RFS	Relapse-free survival
SD	Standard deviation
T	Tumour stage
TCC	Transitional cell carcinoma
TURBT	Trans-urethral resection of bladder tumour
URA	Univariable regression analysis