## Carcinoma of the Urethra Histopathology Reporting Guide

### Urethrectomy Specimen

### CLINICAL INFORMATION

- **Previous history of urinary tract disease or distant metastasis** (select all that apply)
  - Information not provided
  - No previous history
  - Non-invasive papillary
  - Carcinoma in situ, flat
  - Invasion into lamina propria
  - Muscle invasive disease
  - Other, specify
  - Distant metastasis

- **Previous therapy** (select all that apply)
  - Information not provided
  - No previous therapy
  - Bacillus Calmette-Guerin (BCG)
  - Chemotherapy, intravesical, specify
  - Chemotherapy, systemic
  - Radiation therapy
  - Other, specify

- **Other clinical information, specify**

### OPERATIVE PROCEDURE

- Not specified
- Urethrectomy, partial
- Urethrectomy, complete
- Urethrectomy with cystectomy
- Urethrectomy with cystoprostatectomy
- Urethrectomy with penectomy
- Other, specify

### ADDITIONAL SPECIMENS SUBMITTED

- Submitted, specify
- Not submitted

### TUMOUR FOCALITY

- Unifocal
- Multifocal
- Cannot be assessed, specify

### MAXIMUM TUMOUR DIMENSION

- Cannot be assessed
- No macroscopically visible tumour

- **Maximum tumour dimension (largest tumour)**
  - mm

- **Additional dimensions (largest tumour)**
  - mm x mm

### MACROSCOPIC TUMOUR SITE

- Indeterminate
- No macroscopically visible tumour

- **Male**
  - Penile
  - Bulbomembranous
  - Prostatic
  - Diverticula
  - Other, specify

- **Female**
  - Anterior
  - Posterior

### MACROSCOPIC EXTENT OF INVASION

- Cannot be assessed
- No macroscopically visible tumour

- **Non-invasive tumour visible**
- Invasion into muscular wall
- Invasion into corpus spongiosum
- Invasion into corpus cavernosum
- Invasion into anterior vaginal wall
- Invasion into prostatic tissue
- Invasion into periprostatic tissue
- Involvement of other adjacent structures, specify

### BLOCK IDENTIFICATION KEY

(List overleaf or separately with an indication of the nature and origin of all tissue blocks)
**HISTOLOGICAL TUMOUR TYPE**

(Value list from the WHO Classification of Tumours of the Urinary System and Male Genital Organs (2016))

- Urothelial carcinoma
- Squamous cell carcinoma
- Adenocarcinoma
- Tumours of Mullerian type
  - Clear cell carcinoma
  - Endometrioid carcinoma
- Neuroendocrine tumour
  - Small cell neuroendocrine carcinoma
  - Large cell neuroendocrine carcinoma
- Other, specify

**MICROSCOPIC EXTENT OF INVASION**

(select all that apply)

- Cannot be assessed
- No evidence of primary tumour
- Primary tumour (male and female)
  - Non-invasive papillary
  - Carcinoma in situ
  - Tumour invades subepithelial connective tissue
  - Tumour involves adjacent structures
    - Prostatic stroma
    - Corpus spongiosum
    - Periurethral muscle
    - Corpus cavernosum
    - Extra prostatic extension
    - Anterior vagina
    - Bladder neck
    - Bladder wall
    - Rectum
    - Other, specify
- Prostatic stroma
- Corpus spongiosum
- Periurethral muscle
- Corpus cavernosum
- Extra prostatic extension
- Anterior vagina
- Bladder neck
- Bladder wall
- Rectum
- Other, specify

**Histological sub-type/variant (urothelial carcinoma)**

- Not identified
- Present, specify sub-type/variant and percentage
  (select all that apply)

- Squamous %
- Micropapillary %
- Glandular %
- Plasmacytoid %
- Nested %
- Sarcomatoid %
- Other, specify %

**NON-INVASIVE CARCINOMA**

(select all that apply)

- Not identified
- Indeterminate
- Carcinoma in situ, flat
  - Focal
  - Multifocal
- Papillary carcinoma, non-invasive
  - Other, specify

**ASSOCIATED EPITHELIAL LESIONS**

- Not identified
- Present, specify
- Not identified

**HISTOLOGICAL TUMOUR GRADE**

- Not applicable
- Cannot be determined

- Urothelial carcinoma
  - Low-grade
  - High-grade
  - Other, specify

- Squamous cell carcinoma or adenocarcinoma
  - GX: Cannot be assessed
  - G1: Well differentiated
  - G2: Moderately differentiated
  - G3: Poorly differentiated
  - Other, specify

**LYMPHOVASCULAR INVASION**

- Not identified
- Present
- Indeterminate

**MARGIN STATUS**

- Cannot be assessed
- Not involved
- Involved
  - Invasive carcinoma (select all that apply)
    - Distal
    - Proximal
    - Deep soft tissue
    - Other, specify

- Carcinoma in situ/non-invasive high-grade urothelial carcinoma (select all that apply)
  - Distal mucosal
  - Proximal mucosa
  - Other, specify
ANCILLARY STUDIES
- Not performed
- Performed, specify

HISTOLOGICALLY CONFIRMED DISTANT METASTASES
- Not identified
- Indeterminate
- Present, specify site(s)

REGIONAL LYMPH NODE STATUS
- No regional nodes submitted
- Not involved
  - Number of lymph nodes examined
- Involved
  - Number of lymph nodes examined
  - Number of positive lymph nodes
  - Number cannot be determined
  - Extranodal spread
    - Present
    - Not identified
  - Size of largest metastasis, mm
  - Location of involved lymph nodes, specify

COEXISTENT PATHOLOGY
- Present, specify
- None identified

PATHOLOGICAL STAGING (AJCC TNM 8th edition)**
** TNM Descriptors (only if applicable) (select all that apply)
- m - multiple primary tumours
- r - recurrent
- y - post-therapy

Primary tumour (pT)
** Male penile urethra and female urethra
- TX Primary tumour cannot be assessed
- T0 No evidence of primary tumour
- Ta Non-invasive papillary carcinoma
- Tis Carcinoma in situ
- T1 Tumour invades subepithelial connective tissue
- T2 Tumour invades any of the following: corpus spongiosum, periurethral muscle
- T3 Tumour invades any of the following: corpus cavernosum, anterior vagina
- T4 Tumour invades adjacent organs (e.g. invasion of the bladder wall)

Prostatic urethra
- Tis Carcinoma in situ involving the prostatic urethra or periurethral or prostatic ducts without stromal invasion
- T1 Tumour invades urethral subepithelial connective tissue immediately underlying the urothelium
- T2 Tumour invades the prostatic stroma surrounding ducts either by direct extension from the urothelial surface or by invasion from prostatic ducts
- T3 Tumour invades the periprostatic fat
- T4 Tumour invades other adjacent organs (e.g. extraprostatic invasion of the bladder wall, rectal wall)

Regional lymph nodes (pN)
- NX Regional lymph nodes cannot be assessed
- N0 No regional lymph node metastasis
- N1 Single regional lymph node metastasis in the inguinal region or true pelvis [perivesical, obturator, internal (hypogastric) and external iliac], or presacral lymph node
- N2 Multiple regional lymph node metastasis in the inguinal region or true pelvis [perivesical, obturator, internal (hypogastric) and external iliac], or presacral lymph node