

Carcinoma of the Renal Pelvis and Ureter Histopathology Reporting Proforma



(NEPHROURETERECTOMY AND URETERECTOMY)

Includes the  International Collaboration on Cancer reporting dataset denoted by *

Family name

Given name(s)

Date of birth

Indigenous Status

- Aboriginal but not Torres Strait Islander origin
- Torres Strait Islander but not Aboriginal origin
- Both Aboriginal and Torres Strait Islander origin
- Neither Aboriginal nor Torres Strait Islander origin
- Not stated/inadequately described

Patient identifiers

e.g. MRN, IHI or NHI (please indicate which)

Date of request

S1.03 Accession number

Requesting doctor - name and contact details

*CLINICAL INFORMATION

Previous history of urinary tract disease or distant metastasis

- Information not provided
- No previous history
- Non-invasive papillary
- Carcinoma in situ, flat
- Invasion into lamina propria
- Muscle invasive disease
- Distant metastasis
- Other, *specify*

Previous therapy

- Information not provided
- No previous therapy
- Radiation therapy
- Chemotherapy, systemic
- Bacillus Calmette-Guerin (BCG)
- Chemotherapy, intravesical, *specify*

Other, *specify*

Other clinical information

CLINICAL EXTENT OF DISEASE

OPERATIVE PROCEDURE

- Not specified
- Nephroureterectomy
- Ureterectomy, partial
- Ureterectomy, complete
- Ureterectomy with cystectomy
- Ureterectomy with cystoprostatectomy
- Other, *specify*

ADDITIONAL SPECIMEN(S) SUBMITTED

Not submitted

PRINCIPAL CLINICIAN

OTHER CLINICAL INFORMATION RECEIVED

Macroscopic findings

S2.01 SPECIMEN LABELLED AS

S2.02 * OPERATIVE PROCEDURE

- Not specified
 Nephroureterectomy
 Ureterectomy, partial
 Ureterectomy, complete
 Ureterectomy with cystectomy
 Ureterectomy with cystoprostatectomy
 Other, *specify*

S2.03 * ADDITIONAL SPECIMEN(S) SUBMITTED

Not submitted

S2.04 SPECIMEN MEASUREMENTS

(Superior to inferior x transverse x anterior to posterior)

length mm x width mm x thickness mm

LENGTH OF URETERS

Left mm Right mm

MEASUREMENTS OF OTHER ORGANS

Organ 1:

length mm x width mm x thickness mm

Organ 2:

length mm x width mm x thickness mm

Organ 3:

length mm x width mm x thickness mm

S2.05 * TUMOUR FOCALITY

Cannot be assessed, *specify*

- Unifocal
 Multifocal



G2.01 NUMBER OF TUMOURS

S2.06 * MACROSCOPIC TUMOUR SITE

(select all that apply)

- Indeterminate
 No macroscopically visible tumour
 Ureter
 Renal pelvis
 Other, *specify*



S2.07 * TUMOUR DIMENSIONS

- Cannot be assessed
 No macroscopically visible tumour

Maximum tumour dimension
(largest tumour)

mm



G2.02 * Additional dimensions
(largest tumour)

mm x mm

G2.03 GROSS APPEARANCE OF TUMOUR(S)

(Record for each tumour) (select all that apply)

Tumour 1: Polypoid
 Fungating
 Papillary
 Ulcerated
 Solid and indurated

Tumour 2: Polypoid
 Fungating
 Papillary
 Ulcerated
 Solid and indurated

Tumour 3: Polypoid
 Fungating
 Papillary
 Ulcerated
 Solid and indurated

S2.08 *MACROSCOPIC EXTENT OF INVASION

(select all that apply)

- Cannot be assessed
- No macroscopically visible tumour
- Non-invasive tumour visible
- Invasion into wall
- Invasion into periureteral/peripelvic tissue
- Invasion into renal stroma
- Invasion into perinephric fat
- Involvement of other adjacent structures, specify

S2.09 MACROSCOPIC EVIDENCE OF MARGIN INVOLVEMENT

- Absent
- Present

MARGIN INVOLVED (select all that apply)

- Renal hilar
- Perinephric fat
- Ureteric
- Periureteric

G2.04 APPEARANCE OF UNINVOLVED TISSUE

- Normal
- OR

(select all that apply)

- Ulcerated
- Erythematous
- Other, specify

S2.10 LYMPH NODES

- Not submitted
- Submitted

Site(s) and No. of nodes

Site(s) and	No. of nodes
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

S2.11 *BLOCK IDENTIFICATION KEY

G2.05 OTHER MACROSCOPIC COMMENTS

Microscopic findings

S3.01 *HISTOLOGICAL TUMOUR TYPE

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

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

- Not identified
- Present, specify sub-type/variant and percentage

Squamous ⇒ %

Glandular ⇒ %

Nested ⇒ %

Micropapillary ⇒ %

Plasmacytoid ⇒ %

Sarcomatoid ⇒ %

Other, specify

⇒ %

S3.02 *NON-INVASIVE CARCINOMA

(select all that apply)

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

G3.01 *ASSOCIATED EPITHELIAL LESIONS

- Not identified
 Present, *specify*

S3.03 *HISTOLOGICAL GRADE

- Not applicable
 Cannot be determined

Urothelial carcinoma

- Low-grade
 High-grade
 Other, *specify*

Squamous cell ca. or adenocarcinoma

- GX: Cannot be assessed
 G1: Well differentiated
 G2: Moderately differentiated
 G3: Poorly differentiated
 Other, *specify*

S3.04 *MICROSCOPIC EXTENT OF INVASION

(select all that apply)

- Cannot be assessed
 No evidence of primary tumour
 Papillary carcinoma, non-invasive
 Carcinoma in situ, flat
 Tumour invades subepithelial connective tissue (lamina propria)
 Tumour invades the muscularis propria
 Tumour invades beyond muscularis propria into periureteric or peripelvic (renal sinus) fat
 Tumour invades into the renal stroma
 Tumour invades through the kidney into the perinephric fat
 Tumour invades adjacent structures, *specify*

S3.05 MICROSCOPIC TUMOUR SITE(S)

(select all that apply)

- Renal pelvis, *specify*

 Ureter, *specify*

 Kidney, *specify*

 Pelvicalyceal, *specify*

G3.02 TUMOUR SIZE (maximum dimension of the largest tumour)
 mm
S3.06 *LYMPHOVASCULAR INVASION

- Not identified
 Present
 Indeterminate

S3.07 *MARGIN STATUS

- Cannot be assessed
 Not involved
 Involved
 Invasive carcinoma
 Renal hilar
 Perinephric fat
 Ureteric
 Periureteric
 Distal
 Proximal
 Soft tissue
 Other, *specify*

 Carcinoma in situ/non-invasive high-grade urothelial carcinoma
 Distal mucosal
 Proximal mucosa
 Other, *specify*

S3.08 *REGIONAL LYMPH NODES STATUS

- No regional nodes submitted
- Not involved (record no. of LN examined)
- Involved

Number of lymph nodes examined

No. of positive lymph nodes

- Number cannot be determined

Size of largest metastasis

 mm

Location(s) of involved lymph nodes

G3.03 EXTRANODAL SPREAD

- Not identified
- Present

S3.09 *HISTOLOGICALLY CONFIRMED DISTANT METASTASES

- Not identified
- Indeterminate
- Present, *specify site(s)*

S3.10 *COEXISTENT PATHOLOGY

Non-neoplastic renal tissue

- Not applicable
- Insufficient tissue
- No significant pathologic alterations
- Significant pathologic alterations, *specify*

Other histopathological features

- None identified
- Present, *specify*

G3.04 OTHER MICROSCOPIC COMMENT

Ancillary findings

G4.01 *ANCILLARY STUDIES

- Not performed
- Performed

Describe

Synthesis and overview

S5.01 *PATHOLOGICAL STAGING AJCC TNM 8TH EDITION (refer next page)

S5.02 YEAR AND EDITION OF STAGING SYSTEM

G5.01 DIAGNOSTIC SUMMARY

Include Operative procedure and any additional specimens, Tumour type with different subtypes specified, Tumour grade, Tumour extent (Level of invasion), Tumour site, Lymphovascular invasion, Surgical margin status (completeness of excision), Lymph node involvement, Tumour stage, Presence of non-invasive carcinoma

S5.03 OVERARCHING COMMENT

G5.02 CARCINOMA OF THE RENAL PELVIS AND URETER (NEPHROURETERECTOMY AND URETERECTOMY) STRUCTURED REPORTING PROTOCOL (1st Edition 2018)

AJCC 8TH EDITION^{##}

m - multiple primary tumours

r - recurrent

y - post neoadjuvant therapy

Primary tumour (pT)

- TX Primary tumour cannot be assessed
- T0 No evidence of primary tumour
- Ta Papillary non invasive carcinoma
- Tis Carcinoma in situ
- T1 Tumour invades subepithelial connective tissue
- T2 Tumour invades the muscularis
- T3

For renal pelvis only: Tumour invades beyond muscularis into peripelvic fat or into the renal parenchyma**

For ureter only: Tumour invades beyond muscularis into perinephric fat

- T4 Tumour invades adjacent organs, or through the kidney into the perinephric fat

** use of terminology is incorrect. Stroma should be substituted for parenchyma.

Regional lymph nodes (pN)

- NX Regional lymph nodes cannot be assessed
- N0 No lymph node metastasis
- N1 Metastasis in a single lymph node, ≤2 cm in greatest dimension
- N2 Metastasis in a single lymph node, >2 cm; or multiple lymph nodes

Used with the permission of the American Joint Committee on Cancer (AJCC), Chicago, Illinois. The original source for this material is the AJCC Cancer Staging Manual, Seventh Edition (2010) published by Springer Science and Business Media LLC, www.springerlink.com.

Worksheet prepared by:

On: