

Carcinoma of the Renal Pelvis and Ureter Histopathology Reporting Guide

Nephroureterectomy and Ureterectomy Specimen



Family/Last name

Date of birth

Given name(s)

Patient identifiers

Date of request

Accession/Laboratory number

Elements in **black text** are REQUIRED. Elements in **grey text** are RECOMMENDED.

[SCOPE OF THIS DATASET](#)

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
- Nephroureterectomy
- Ureterectomy, partial
- Ureterectomy, complete
- Ureterectomy with cystectomy
- Ureterectomy with cystoprostatectomy
- 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)

Additional dimensions (largest tumour)

x

MACROSCOPIC TUMOUR SITE (select all that apply)

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

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*

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 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*
(select all that apply)

<input type="checkbox"/> Squamous	⇒	<input style="width: 40px;" type="text"/>	%	<input type="checkbox"/> Micropapillary	⇒	<input style="width: 40px;" type="text"/>	%
<input type="checkbox"/> Glandular	⇒	<input style="width: 40px;" type="text"/>	%	<input type="checkbox"/> Plasmacytoid	⇒	<input style="width: 40px;" type="text"/>	%
<input type="checkbox"/> Nested	⇒	<input style="width: 40px;" type="text"/>	%	<input type="checkbox"/> Sarcomatoid	⇒	<input style="width: 40px;" type="text"/>	%
<input type="checkbox"/> Other, <i>specify</i>		<input style="width: 150px;" type="text"/>	⇒			<input style="width: 40px;" type="text"/>	%

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 

- 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*

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 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*

LYMPHOVASCULAR INVASION 

- Not identified
- Present
- Indeterminate

MARGIN STATUS 

- Cannot be assessed
- Not involved
- Involved
 - Invasive carcinoma (select all that apply)

- Distal
- Proximal
- Soft tissue
- Other, *specify*

- Carcinoma in situ/non-invasive high-grade urothelial carcinoma (select all that apply)

- Distal mucosal
- Proximal mucosa
- Other, *specify*

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 mmLocation of involved lymph nodes, *specify*

COEXISTENT PATHOLOGY

Non-neoplastic renal tissue

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

Other histopathological features

- Present, *specify* None identified

ANCILLARY STUDIES

- Not performed
 Performed, *specify*

HISTOLOGICALLY CONFIRMED DISTANT METASTASES

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

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)

- 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

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 College of Surgeons, Chicago, Illinois. The original source for this information is the AJCC Cancer Staging Manual, Eighth Edition (2016) published by Springer Science+Business Media.

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