

Renal Biopsy for Tumour Histopathology Reporting Guide



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.

SPECIMEN LATERALITY

Not specified

Left Right

Unifocal Unifocal

Multifocal Multifocal

Bilateral

Unifocal in both kidneys

Multifocal in one kidney

Multifocal in both kidneys

Other eg horseshoe kidney

Unifocal

Multifocal

OPERATIVE PROCEDURE

Core/needle biopsy

Number of cores

OR Number cannot be determined

Core id.	Length (in mm)

Wedge biopsy

Number of wedges

Wedge id.	Max. Dimension (in mm)

Other, *specify*

TUMOUR SITE(S)

Upper pole Not provided

Mid zone Cannot be assessed

Lower pole

Cortex

Medulla

Other, *specify*

HISTOLOGICAL TUMOUR TYPE**

(Value list from the World Health Organization Classification of Tumours of the Urinary System and Male Genital Organs, Fourth edition (2016) classification of renal cell tumours and the International Society of Urological Pathology Vancouver classification of renal neoplasia)

****Occasionally more than one histologic type of carcinoma occurs within the same kidney specimen. Each tumour type should be separately recorded.**

Non diagnostic, *specify why*

Clear cell renal cell carcinoma

Multilocular clear cell renal cell neoplasm of low malignant potential

Papillary renal cell carcinoma

Type 1

Type 2

Oncocytic

NOS

Chromophobe renal cell carcinoma

Hybrid oncocytic chromophobe tumour

Oncocytic tumour

Collecting duct carcinoma

Renal medullary carcinoma

MiT family translocation renal cell carcinoma

Xp11 translocation renal cell carcinoma

t(6;11) renal cell carcinoma

Other, *specify*

Mucinous tubular and spindle cell carcinoma

Tubulocystic renal cell carcinoma

Acquired cystic disease associated renal cell carcinoma

Clear cell papillary/tubulopapillary renal cell carcinoma

Hereditary leiomyomatosis and renal cell carcinoma-associated renal cell carcinoma

Succinate dehydrogenase (SDH) deficient renal carcinoma

Renal cell carcinoma, unclassified

Other, *specify*

HISTOLOGICAL TUMOUR GRADE - WHO/ISUP 

- Not applicable
- Grade X - Cannot be assessed
- Grade 1 - Nucleoli absent or inconspicuous and basophilic at 400x magnification
- Grade 2 - Nucleoli conspicuous and eosinophilic at 400x magnification, visible but not prominent at 100x magnification
- Grade 3 - Nucleoli conspicuous and eosinophilic at 100x magnification
- Grade 4 - Extreme nuclear pleomorphism and/or multi nuclear giant cells and/or rhabdoid and/or sarcomatoid differentiation

SARCOMATOID MORPHOLOGY 

- Not identified
- Present

RHABDOID MORPHOLOGY 

- Not identified
- Present

NECROSIS 

- Not identified
- Present

LYMPHOVASCULAR INVASION 

- Not identified
- Present

CO-EXISTING PATHOLOGY IN NON-NEOPLASTIC KIDNEY 

- None identified
- Insufficient tissue for evaluation
- Glomerular disease

Specify type

- Tubulointerstitial disease

Specify type

- Vascular disease

Specify type

- Cyst(s)

Specify type

- Tubular (papillary) adenoma(s)

- Other

Specify

ANCILLARY STUDIES 

- Not performed
- Performed

Specify test and results