

## Renal Biopsy for Tumour Histopathology Reporting Guide



Histopathology Reporting Guide	
Family/Last name  Given name(s)	Date of birth DD - MM - YYYY
Patient identifiers	Date of request Accession/Laboratory number
	DD - MM - YYYY
Elements in <b>black text</b> are CORE. Elements in <b>grey text</b> are NC indicates multi-select values indicates single select values	SCOPE OF THIS DATASET
OPERATIVE PROCEDURE  Needle biopsy Incisional biopsy, wedge Other, specify  SPECIMEN LATERALITY	HISTOLOGICAL TUMOUR TYPE <sup>a</sup> (select all that apply)  (Value list based on the World Health Organization Classification of Urinary and Male Genital Tumours (2022))  Clear cell renal cell carcinoma Papillary renal cell carcinoma Chromophobe cell renal carcinoma Other oncocytic tumours of the kidney Collecting duct carcinoma Clear cell papillary renal cell tumour Mucinous tubular and spindle cell carcinoma Tubulocystic renal cell carcinoma Acquired cystic disease–associated renal cell carcinoma Eosinophilic solid and cystic renal cell carcinoma Renal cell carcinoma, not otherwise specified (NOS)
Not specified Left Right Other (e.g., horseshoe kidney), specify	☐ TFE3-rearranged renal cell carcinomas ☐ TFEB-altered renal cell carcinomas ☐ ELOC (formerly TCEB1)-mutated renal cell carcinoma ☐ Fumarate hydratase-deficient renal cell carcinoma ☐ Hereditary leiomyomatosis and renal cell carcinoma ☐ (HLRCC) syndrome-associated renal cell carcinoma ☐ Succinate dehydrogenase-deficient renal cell carcinoma ☐ ALK-rearranged renal cell carcinomas ☐ SMARCB1-deficient renal medullary carcinoma ☐ Other, <sup>b</sup> specify
TUMOUR SITE (select all that apply)  Upper pole  Mid kidney  Lower pole  Cortex  Medulla  Other, specify	a Occasionally more than one histologic type of carcinoma occurs within
BLOCK IDENTIFICATION KEY  (List overleaf or separately with an indication of the nature and origin of all tissue blocks)	the same kidney specimen. Each tumour type should be separately recorded.  b This would apply to cases that are pending additional studies to identify molecularly defined subtypes.

PROVISIONAL HISTOLOGICAL TUMOUR GRADE <sup>c</sup> (WHO/ISUP)	ANCILLARY STUDIES  Not performed
○ Not applicable <sup>d</sup>	Performed (select all that apply)
Cannot be assessed	
Grade 1 - Nucleoli absent or inconspicuous and basophilic at 400x magnification	Immunohistochemistry, specify test(s) and result(s)
<ul> <li>Grade 2 - Nucleoli conspicuous and eosinophilic at 400x magnification, visible but not prominent at 100x magnification</li> </ul>	
Grade 3 - Nucleoli conspicuous and eosinophilic at 100x magnification	
<ul> <li>Grade 4 - Extreme nuclear pleomorphism and/or multi nuclear giant cells and/or rhabdoid and/or sarcomatoid differentiation</li> </ul>	Molecular findings, specify test(s) and result(s)
c Histologic grading is provisional in biopsy because it can change in the nephrectomy specimen due to frequent heterogeneity in renal cancer.	Trainings, speerly test(s) and result(s)
<sup>d</sup> For further information see Note – PROVISIONAL HISTOLOGICAL TUMOUR GRADE (WHO/ISUP).	
SARCOMATOID FEATURES	
Not identified	
( ) Present	Other, record test(s), methodology and result(s)
RHABDOID FEATURES	
Not identified	
Present	
NECROSIS <sup>e</sup>	
○ Indeterminate	
Not identified	Representative blocks for ancillary studies, specify
( ) Present	those blocks best representing tumour and/or normal tissue for further study
<sup>e</sup> Core element for clear cell renal cell carcinoma and chromophobe renal cell carcinoma only; in all other cases it is non-core.	,
COEXISTING PATHOLOGY IN NON-NEOPLASTIC KIDNEY	
Not identified	
Present, specify	