

A guide to RENAL BIOPSY FOR TUMOUR Histopathology Reporting



Includes the  International Collaboration on Cancer reporting dataset denoted by *

Pre-analytical details		
S1.02	Information provided on request form	Not provided OR Text OR Structured entry as below:
	Relevant past medical history	Text
	Predisposing factors (including genetic status)	Text
	Pre-operative treatment	Text
	Relevant family history	Text
	Extent of disease	Text
	Previous bx/surgical specimens	Text
	Clinical or differential diagnosis	Text
	Laterality	See p2
	Nature of operation	Core/needle bx Other, <i>specify</i>
	Operative findings	Text
	New primary lesion or recurrence	New primary Recurr.–regional Recurr.–distant
	If recurrence, describe	Text
S1.03	Pathology accession number	Text
S1.04	Principal clinician	Text
G1.01	Comments	Text

Macroscopic findings		
S2.01	Specimen labelled as	Text
G2.01	Nature of specimen	Fresh Fixed, <i>specify</i>
S2.02	*Specimen laterality	Not specified OR see p2
G2.02	*Operative procedure	Not specified Core/needle bx Other, <i>specify</i>
	For each specimen complete the following:	
	*Number of cores	___ OR <i>Number cannot be determined</i>
	*Length (record for each core)	Text (core id) AND ___mm
	*Other	Text
G2.03	*Tumour site(s) (select all that apply):	Not provided Can't be assess'd OR Upper pole Mid zone Lower pole Cortex Medulla Other, <i>specify</i>
G2.04	Colour	Yellow Brown White Green

Macroscopic findings (cont.)		
S2.03	Block identification key	Text
G2.05	Additional macroscopic comments	Text

Microscopic findings		
S3.01	*Histological tumour type	Non diagnostic, <i>specify why</i> OR See p2
S3.02	*Histological tumour grade – WHO/ISUP	See p2
S3.03	*Sarcomatoid morphology	Not identified Present
S3.04	*Rhabdoid morphology	Not identified Present
S3.05	*Necrosis	Not identified Present
S3.06	*Lymphovascular invasion	Not identified Present
S3.07	*Co-existing pathology in non-neoplastic kidney	See p2
G3.01	Additional microscopic comment	Text

Ancillary findings		
G4.01	*Ancillary studies	Not performed P'fomed, <i>specify</i>

Synthesis and overview		
G5.01	Diagnostic summary	Text
	Include:	
	a Specimen laterality	
	b. Operative procedure	
	c. Tumour site(s)	
	d. Tumour type	
	e. Tumour grade	
S5.01	Overarching comment	Text
G5.02	Edition/version number of the RCPA protocol on which the report is based	Text

NOTES

S1.02 & S2.02 Laterality

Single selection value list:

- Left
 - o Unifocal
 - o Multifocal
- Right
 - o Unifocal
 - o Multifocal
- Bilateral
 - o Unifocal in both kidneys
 - o Multifocal in one kidney
 - o Multifocal in both kidneys
- Other eg horseshoe kidney, specify
 - o Unifocal
 - o Multifocal

S3.07 Co-existing pathology in non-neoplastic kidney

Single selection value list:

- None identified
- Insufficient tissue for evaluation (<5 mm tissue adjacent to the tumour)

OR

Multi selection value list (select all that apply):

- Glomerular disease, *specify type*
- Tubulointerstitial disease, *specify type*
- Vascular disease, *specify type*
- Cyst(s) , *specify type*
- Tubular (papillary) adenoma(s)
- Other, *specify*

S3.01 Histological tumour type

Multi selection value list (select all that apply):

- Clear cell renal cell carcinoma
- Multilocular clear cell renal cell neoplasm of low malignant potential
- Papillary renal cell carcinoma
 - o Type 1
 - o Type 2
 - o Oncocytic
 - o NOS
- Chromophobe renal cell carcinoma
 - o Hybrid oncocytic chromophobe tumour
- Collecting duct carcinoma
- Renal medullary carcinoma
- MiT family translocation renal cell carcinoma
 - o Xp11 translocation renal cell carcinoma
 - o t(6;11) renal cell carcinoma
 - o 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*

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

S3.02 Histological tumour grade – WHO/ISUP

Single selection value list:

- 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