

A guide to

Renal Parenchymal Malignancy Histopathology Reporting



Clinical details		
S1.02	Pathology accession number	Text
S1.03	Principal clinician	Text
G1.02	Relevant past medical history	Text
G1.03	Details of any predisposing factors (including genetic status)	Text
G1.04	Details of any neo-adjuvant therapy	Text
G1.05	Details of relevant family history	Text
G1.06	Details regarding extent of disease	Text
G1.07	Details of previous biopsy/surgical specimens	Text
S1.04	Laterality	Left Right
G1.08	Clinical or differential diagnosis	Text
S1.05	Nature of operation	Radical nephr. Simple nephr. Partial nephr. Laposcopic Morcellated
G1.09	Operative findings	Text
G1.10	Surgical intent	Curative Palliative
S1.06	Tissue removed for research or other purposes	Not stated No Yes
	If yes, specify details of tissue removed	Text

Macroscopic findings		
G2.02	Nature of specimen	Fresh Fixed Intact Morcellated
	If fixed, specify fixative	Text
G2.04	Measurement and weight of specimen	_x_x_mm __ g
G2.10	Evidence of infiltration to adrenal gland	No Yes
G2.13	Length of ureter	__ mm
	Length of renal vein	__ mm
	Length of renal artery	__ mm
G2.15	Evidence of tumour within lumen vein	No Yes
G2.22	Dimensions of kidney	_x_x_mm
G2.23	Adherence of renal capsule to the visceral surface of perirenal fat	No Yes
	Abnormalities on cortical surface	Text
G2.26	Position of tumour	Upper pole Mid zone Lower pole
G2.27	Multiple tumours?	No Yes
	If yes, indicate number & complete the following items for each tumour	Nbr of tumours

Macroscopic findings (cont.)		
FOR EACH TUMOUR RECORD....		
	Description of tumour	Text
S2.03	Dimensions of tumour	_x_x_mm
G2.28	Distance between tumour and renal capsule	__mm
S2.04	Evidence of infiltration to:	
	Renal sinus	No Yes
	Large vessels	No Yes
G2.35	Appearance of cut surface	Solid Cystic Other
	If other, specify	Text
	Necrosis	Absent Present
	Colour	Text
	Consistency	Firm Friable Other
	If other, specify	Text
G2.36	Abnormal features of the surface of the kidney	Text
G2.37	Other macroscopic comment	Text

Microscopic findings		
S3.01	Tumour type	See p2
S3.02	Tumour grade	NA Grade X Grade 1 Grade 2 Grade 3 Grade 4
S3.03	Sarcomatoid differentiation	Absent Present
	If present, estimate percentage of tumour	__% (est.)
S3.04	Rhabdoid differentiation	Absent Present
	If present, estimate percentage of tumour	__% (est.)
G3.01	Necrosis	Absent Present
S3.05	Tumour spread beyond kidney	Absent Present
S3.06	Tumour extends beyond Gerota's fascia	No Yes
S3.07	Tumour in renal sinus fat	Absent Present
S3.08	Tumour within small intra-renal vessels (microvascular invasion)	Absent Present
S3.09	Tumour in renal sinus lymphatics	Absent Present

Microscopic findings (cont.)

S3.10	Tumour in muscle containing vessels within renal sinus	Absent Present
	Tumour in renal vein	Absent Present
G3.02	Tumour in pelvi-calyceal system	Absent Present
S3.11	Tumour in adrenal gland	Absent Present
	If present, is it due to:	Direct extension Metastatic sprd
S3.12	Regional lymph node status	
	For each site, specify:	
	Number of nodes involved by tumour	___
	Total number of nodes resected	___
S3.13	Tumour in other organs	Absent Present
	If present, specify organs	Text
	If present, is spread due to:	Direct extension Metastatic sprd
S3.14	Involvement of surgical margins	Tumour free Involved
	If involved, specify margin	Text
G3.03	For partial nephrectomy specimens, distance of tumour from closest surgical margin	___mm
S3.15	Co-existing renal pathology	Text
G3.04	Other microscopic comment	Text

Ancillary test findings

G4.01	For each cytogenetics test, record	Performing lab Substrate Method Result Conclusion Person reporting
G4.02	For FISH, record	Performing lab Result Conclusion Person reporting
G4.03	For Immunohistochemical stains, record	Each antibody Result Interpretation Clin. significance
G4.04	For ultrastructural examination, record	Performing lab Result Conclusion Person reporting

Synthesis and overview

S5.01	AJCC stage and stage grouping	See p2
S5.02	Year of publication & edition of cancer staging system	Text
G5.01	Diagnostic summary	See p2
S5.03	Other relevant comments	Text

NOTES

S3.01 Tumour type

- Clear cell renal cell carcinoma
- Multilocular cystic renal cell carcinoma
- Papillary renal cell carcinoma Type 1
- Papillary renal cell carcinoma Type 2
- Clear cell tubulopapillary renal cell carcinoma
- Mucinous tubular and spindle cell carcinoma
- Chromophobe renal cell carcinoma
- Collecting duct carcinoma
- Renal medullary carcinoma
- Translocation (TFE-3 family) carcinoma
- Tubulocystic renal cell carcinoma
- Cystic renal disease/ chronic renal failure associated carcinoma
- Carcinoma associated with neuroblastoma
- Renal cell carcinoma – unclassified
- Other (specify)

S5.01 AJCC Tumour stage##

Primary tumour (pT)

- pTX Primary tumour cannot be assessed
- pT0 No evidence of primary tumour
- pT1 Tumour 7cm or less in greatest dimension, limited to the kidney
- pT1a Tumour 4cm or less in greatest dimension, limited to the kidney
- pT1b Tumour more than 4cm but no more than 7cm in greatest dimension, limited to the kidney
- pT2 Tumour more than 7cm in greatest dimension, limited to the kidney
- pT2a Tumour more than 7cm but less than or equal to 10cm in greatest dimension, limited to kidney
- pT2b Tumour more than 10cm, limited to the kidney
- pT3 Tumour extends into major veins or perinephric tissues but not into the ipsilateral adrenal gland and not beyond Gerota's fascia
- pT3a Tumour grossly extends into the renal vein or its segmental (muscle containing) branches, or tumour invades perirenal and/or renal sinus fat but not beyond Gerota fascia.
- pT3b Tumour grossly extends into the vena cava below the diaphragm.
- pT3c Tumour grossly extends into vena cava above diaphragm or invades the wall of the vena cava
- pT4 Tumour invades beyond Gerota's fascia (including contiguous extension into the ipsilateral adrenal gland)

Regional lymph nodes (pN)

- pNX Regional lymph nodes cannot be assessed.
- pN0 No regional lymph node metastasis
- pN1 Metastasis in regional lymph node(s)

Distant metastasis (pM)

- pM0 No distant metastases
- pM1 Distant metastasis

Stage Grouping

Stage	T	N	M
Stage I	T1	N0	M0
Stage II	T2	N0	M0
Stage III	T1 or T2	N1	M0
	T3	N0 or N1	M0
Stage IV	T4	Any N	M0
	Any T	Any N	M1

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G5.01 Diagnostic summary

Include: Specimen type (G2.02); Tumour position & laterality (G2.26 and S1.04); Tumour type (S3.01); Tumour grade (S3.02); Tumour stage (S5.01); Involvement of surgical margin (S3.15)