

# A guide to Testicular Tumours Histopathology Reporting



Clinical details		
<b>S1.02</b>	<b>Pathology accession number</b>	Text
<b>S1.03</b>	<b>Principal clinician</b>	Text
<b>G1.02</b>	Clinical history	Text
<b>G1.03</b>	Clinical extent of disease	Text
<b>G1.04</b>	Serum tumour markers	
	LDH	___ IU/L
	AFP	___ ug/L
	b-hCG	___ IU/L
<b>G1.05</b>	Details of any previous therapy eg adjuvant therapy	Text
<b>S1.04</b>	<b>Surgical procedure</b>	Partial orchidect Radical orchidect
<b>S1.05</b>	<b>Laterality</b>	Left Right
<b>S1.06</b>	<b>New primary cancer or recurrence</b>	New primary Recurrence-distant Recurrence-regional Not stated
Macroscopic findings		
<b>G2.02</b>	Measurement of specimen	_x_x_mm
	Length of spermatic cord	___mm
<b>S2.02</b>	<b>Abnormalities of spermatic cord</b>	No Yes
	<b>If yes, specify details</b>	Text
<b>G2.03</b>	Abnormalities of the surface of tunica vaginalis	No Yes
	<b>If yes, specify details</b>	Text
	Intratunical fluid	
	Quantity	___mL
	Nature	Text
<b>G2.04</b>	Size of testis (without tunical sac)	_x_x_mm
<b>S2.03</b>	<b>Tumour size</b>	_x_x_mm
APPEARANCE OF TUMOUR CUT SURFACE		
<b>G2.09</b>	Multi-nodularity	Absent Present
<b>G2.10</b>	Heterogeneity	Uniform Variegated
	Colour	Text
	Consistency (select all that apply)	firm solid cystic gelatinous
<b>G2.11</b>	Cysts	Absent Present
	Bone	Absent Present
	Other areas of macroscopic difference?	Text
<b>G2.12</b>	Haemorrhage	Absent Present
	Necrosis	Absent Present

Macroscopic findings (cont.)		
<b>G2.13</b>	Macroscopic extent of tumour	See p2
<b>G2.14</b>	Appearance of uninvolved testis (choose all that apply)	Normal Fibrosis Other nodules Other
	<b>If other, describe</b>	Text
<b>G2.08</b>	Lymph nodes	Not submitted Submitted
	<b>If submitted, record</b>	Site(s) Number Comment
<b>G2.15</b>	Nodal metastases/mass	Absent Present
	<b>If present, record:</b>	
	Site(s)	Text
	Max. size of nodal mass	___mm
<b>G2.16</b>	Other macroscopic comment	Text
Microscopic findings		
<b>S3.01</b>	<b>Histologic type</b>	Germ cell Other
	<b>If germ cell complete S3.02</b>	
	<b>If other, record the tumour type</b>	Text
<b>S3.02</b>	<b>Germ cell tumour type(s) &amp; %</b>	Pure Mixed
		See p2
<b>G3.01</b>	Scarring	Absent Present
	<b>If present, is it</b>	Partial Complete
<b>G3.02</b>	Syncytiotrophoblastic giant cells	Absent Present
<b>S3.03</b>	<b>Maximum tumour size</b>	___mm
<b>S3.04</b>	<b>EXTENT OF TUMOUR</b>	
	<b>Rete testis invasion</b>	Not applicable Absent Present
	<b>Epididymis invasion</b>	Not applicable Absent Present
	<b>Tunica albuginea invasion</b>	Not applicable Absent Present
	<b>Tunica vaginalis invasion</b>	Not applicable Absent Present
	<b>Spermatic cord invasion</b>	Not applicable Absent Present
	<b>Scrotal wall invasion</b>	Not applicable Absent Present

## Microscopic findings (cont.)

<a href="#">S3.05</a>	<b>Lymphovascular invasion</b>	Absent Present
<a href="#">S3.06</a>	<b>ITGCN</b>	Absent Present-unclassified Present-specific
	<b>If present-specific, record the type</b>	Text
<a href="#">G3.03</a>	Extent of ITGCN	Focal Widespread
<a href="#">S3.07</a>	<b>SURGICAL MARGIN STATUS</b>	
	<b>Radical orchidectomies:</b>	
	<b>Spermatic cord margin</b>	Negative Positive
	<b>For each margin, specify if it is</b>	Negative Positive
	<b>Partial orchidectomies:</b>	
	<b>For each margin, specify if it is:</b>	Negative Positive
	<b>If negative, specify distance to closest margin</b>	___mm
	<b>If positive, specify the length of positive margin</b>	___mm
	<b>ITGCN at margin</b>	Absent Present
<a href="#">S3.08</a>	<b>Co-existing testicular abnormalities</b>	Text
<a href="#">S3.09</a>	<b>Lymph node status</b>	
	<b>For each site received, record if</b>	Negative Positive
	<b>If positive, record the number of positive nodes/number of nodes from this site</b>	___/___
	<b>For each positive node, record the maximum size of metastases/nodal mass</b>	___mm
<a href="#">G3.04</a>	Other microscopic comment	Text

## Ancillary test findings

<a href="#">G4.01</a>	For immunohistochemical stains, record	Not performed Performed
	If performed, record	Each antibody Result

## Synthesis and overview

<a href="#">S5.01</a>	<b>AJCC Tumour staging category (pT)</b>	See p2
<a href="#">S5.02</a>	<b>Year and edition of staging system</b>	Text

## Synthesis and overview (cont.)

<a href="#">G5.01</a>	Diagnostic summary.	Text
	Include:	
	<ul style="list-style-type: none"> <li>Specimen type and laterality</li> <li>Tumour type and whether tumour(s) is "pure" or "mixed", with different subtypes specified including percentages</li> <li>Tumour size</li> <li>Tumour extent, including involvement of rete testis</li> <li>Tumour stage</li> <li>Involvement of surgical margin (completeness of excision)</li> </ul>	
<a href="#">G5.02</a>	Overarching comments	Text

## NOTES

### G2.13 Macroscopic extent of tumour (choose all that apply)

- Confined to testis
- Invades hilar soft tissues
- Invades epididymis
- Invades tunica vaginalis
- Invades scrotum
- Invades spermatic cord

### S3.02 Germ cell tumour type(s)

Select the types\* of germ cell tumour identified from the list below and record the percentage of each type.

- Seminoma: \_\_\_%
- Embryonal carcinoma: \_\_\_%
- Teratoma: \_\_\_%
- Yolk Sac tumour: \_\_\_%
- Choriocarcinoma: \_\_\_%

\*Note that if pure is selected then only a single type should be selected here with a percentage of 100%.

### S5.01 Tumour staging category#

#### AJCC primary tumour definitions

##### Primary Tumour (pT)

The extent of primary tumour is usually classified after radical orchidectomy and, for this reason, a pathologic stage is assigned.

- TX** Primary tumour cannot be assessed
- T0** No evidence of primary tumour (e.g., histologic scar in testis)
- Tis** Intratubular germ cell neoplasia (carcinoma in situ)
- T1** Tumour limited to the testis and epididymis without vascular/lymphatic invasion; tumour may invade into the tunica albuginea but not the tunica vaginalis
- T2** Tumour limited to the testis and epididymis with vascular/lymphatic invasion, or tumour extending through the tunica albuginea with involvement of the tunica vaginalis
- T3** Tumour invades the spermatic cord with or without vascular/lymphatic invasion
- T4** Tumour invades the scrotum with or without vascular/lymphatic invasion

**Note:** Except for pTis and pT4, extent of primary tumour is classified by radical orchidectomy. TX may be used for other categories in the absence of radical orchidectomy.

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