

# A guide to Tumours of the Heart, Pericardium and Great Vessels Histopathology Reporting



Includes the  International Collaboration on Cancer reporting dataset denoted by \*

Clinical details		Macroscopic findings	
<a href="#">S1.02</a>	<b>Clinical information provided on request form</b> (complete as narrative or use the structured format below)	Text	
	Clinical information	Text	
	Operative procedure	Resection Endovascular biopsy Image guided -percutaneous. bx Explantation Other (specify)	
	Neoadjuvant therapy	Info. not provided Not administered Administ. (describe)	
	<b>New primary lesion or recurrence</b>	New primary Local recurrence Distant met.	
	If regional (local) recurrence or distant metastasis describe	Text	
<a href="#">S1.03</a>	<b>Pathology accession number</b>	Text	
<a href="#">S1.04</a>	<b>Principal clinician</b>	Text	
<a href="#">G1.01</a>	Comments	Text	
Macroscopic findings		Microscopic findings	
<a href="#">S2.02</a>	<b>Specimen labelled as</b>	Text	
<a href="#">S2.03</a>	<b>*Operative procedure</b>	Not specified Resection Endovascular biopsy Image guided -percutaneous. bx Explantation Other (specify)	
<a href="#">G2.01</a>	Specimen weight	___ g	
<a href="#">G2.02</a>	Specimen dimensions	___x___x___mm	
<a href="#">G2.03</a>	Orientation markers	Text	
<a href="#">G2.04</a>	ANATOMICAL COMPONENTS SUBMITTED		
	Epicardium	Absent Present	
	If present, consider recording dimensions	___x___x___mm	
	Endocardium	Absent Present	
	If present, consider recording dimensions	___x___x___mm	
	Myocardium	Absent Present	
	If present, consider recording dimensions	___x___x___mm	
	BIOPSY SUBMITTED (Note: Repeat site and no. of fragments for each biopsy site submitted. Note: Complete only if applicable.)		
	Site	Text	
	No. of fragments	___	
<a href="#">G2.05</a>	Specimen description	Text	
<a href="#">G2.06</a>	<b>*Specimen integrity</b> (applicable for resection and explant specimens only)	Indeterminate Intact Disrupted (describe)	
<a href="#">S2.04</a>	<b>*Tumour site(s)</b>	Not specified Right atrium Left atrium Right ventricle Left ventricle Ventricular septum Atrial septum Valve (specify) Great vessel (specify) Pericardium Other submitted -specimens (specify)	
<a href="#">S2.05</a>	<b>*Tumour focality</b>	Indeterminate Unifocal Multifocal	
	If multifocal, specify the number of tumours in the specimen and their locations.	Text	
<a href="#">G2.07</a>	Tumour description	Text	
<a href="#">S2.06</a>	<b>*Maximum dimension of primary tumour</b> (Applicable for resection and explant specimens only)	Cannot be assessed OR ___mm	
<a href="#">G2.08</a>	Additional dimensions of primary tumour	___x___mm	
<a href="#">G2.09</a>	Dimensions of other tumours / tumour-like lesions (Note: Repeat for each other ie non primary tumour identified in S2.05, as applicable.)	___x___x___mm	
<a href="#">G2.10</a>	Involvement of tumour in relation to adjacent structures	Text	
<a href="#">G2.11</a>	Macroscopic distance of tumour to closest margin	___mm	
<a href="#">S2.07</a>	<b>*Block identification key</b>	Text	
<a href="#">G2.12</a>	Other macroscopic description	Text	
<a href="#">S3.01</a>	<b>*Histological tumour type</b>	See p2	
<a href="#">G3.01</a>	<b>*Histological grade</b> (Applicable to sarcomas; if possible)	Cannot be graded Grade 1 Grade 2 Grade 3 Ungraded sarcoma	
<a href="#">S3.02</a>	<b>*Necrosis</b> (Note: Record if applicable to the specimen/ type of lesion)	Cannot be assessed Not identified Present	
	If present, consider recording extent of necrosis, if applicable	___%	
	<b>Extent of necrosis</b>	___%	
<a href="#">S3.03</a>	<b>*Mitotic count</b> (most proliferative area) (Note: Record if applicable to the specimen/ type of lesion)	___per mm2	
<a href="#">S3.04</a>	<b>*Extent of invasion</b>	See p2	
<a href="#">G3.02</a>	<b>*Response to neoadjuvant therapy</b>	Cannot be assessed Not identified Present	
	If present, record Residual viable tumour	___%	

## Microscopic findings (cont.)

<b>S3.05</b>	<b>*Margin status</b>	Not applicable ( <i>bx's</i> ) Cannot be assessed Not involved Involved
	If involved, specify margin(s)	Text
<b>G3.03</b>	<b>*Lymphovascular invasion</b> (Applicable to solitary fibrous and germ cell tumours of the pericardium)	Indeterminate Not identified Present
	If involved consider recording method of evaluation and G3.04.	Routine stain. (H&E) OR Immunohistochemistry -for lymphovascular -endothelium (specify)
<b>G3.04</b>	Type of lymphovascular invasion	Lymphatic Vascular
<b>G3.05</b>	Perineurial invasion	Not identified Present
<b>G3.06</b>	Additional microscopic comment	Text
<b>G3.07</b>	Coexistent pathology	Text

## Ancillary test findings

<b>G4.01</b>	<b>*Ancillary studies</b>	Not performed Performed
	If performed, and for diagnostic purposes, report under S4.01.	
	If performed, and for therapeutic determination, consider reporting G4.01	

<b>S4.01</b>	<b>DIAGNOSTIC</b>	
	*Immunohistochemistry	Text (List stains )
	*Molecular pathology	Text (List test(s))
	*Cytogenetics	Text (List test(s))
	*Other ancillary findings	Text

<b>G4.01</b>	<b>THERAPEUTIC</b>	
	*Immunohistochemistry	Text (List stains )
	*Molecular pathology	Text (List test(s))
	*Cytogenetics	Text (List test(s))
	*Other ancillary findings	Text

## Synthesis and overview

<b>G5.01</b>	Diagnostic summary	Text
	Include:	
	a. Operative procedure	
	b. Tumour site and focality	
	c. Tumour type	
	d. Margin status, if applicable	
	e. Relevant coexistent pathology	
<b>S5.01</b>	<b>Overarching comment</b> (if applicable)	Text
<b>G5.02</b>	Edition/version number of the RCPA protocol on which the report is based	Text

## NOTES

### S3.01 Histological tumour type

#### HEART

##### Benign

- Rhabdomyoma
- Myxoma
- Papillary fibroelastoma
- Haemangioma
- Fibroma
- Cystic tumour of the atrioventricular node
- Other (specify)

##### Malignant

- Angiosarcoma
- Undifferentiated pleomorphic sarcoma
- Myxofibrosarcoma
- Other (specify)

##### Tumours of uncertain behaviour

- Inflammatory myofibroblastic tumour
- Paraganglioma

#### PERICARDIUM

- Solitary fibrous tumour
- Germ cell tumour
- Angiosarcoma
- Other (specify)

#### GREAT VESSELS

- Angiosarcoma
  - o Intimal sarcoma subtype
- Leiomyosarcoma
- Other (specify)

### S3.04 Extent of invasion

- Cannot be assessed
- No involvement of adjacent tissue(s)
- Involvement of adjacent tissue(s) (specify tissues)
- Other organ involvement (specify)