# Soft Tissue Tumour Resection Histopathology Reporting Proforma

Mandatory questions (i.e. protocol standards) are in bold (e.g. **S1.01**).

## S1.01 Identification

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family name</td>
<td></td>
</tr>
<tr>
<td>Given name(s)</td>
<td></td>
</tr>
<tr>
<td>Date of birth</td>
<td></td>
</tr>
<tr>
<td>Sex</td>
<td>Male</td>
</tr>
<tr>
<td></td>
<td>Female</td>
</tr>
<tr>
<td></td>
<td>Intersex/indeterminate</td>
</tr>
<tr>
<td>Ethnicity</td>
<td>Aboriginal/Torres Strait Islander</td>
</tr>
<tr>
<td></td>
<td>Other ethnicity</td>
</tr>
<tr>
<td></td>
<td>Unknown</td>
</tr>
</tbody>
</table>

### G1.01 Patient identifiers
e.g. MRN, IHI or NHI (please indicate which)

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of request</td>
<td></td>
</tr>
<tr>
<td>Accession number</td>
<td></td>
</tr>
</tbody>
</table>

### S1.02 Accession number

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requesting doctor - name and contact details</td>
<td></td>
</tr>
</tbody>
</table>

## Clinical details

### S1.03 Principal clinician

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
</table>

### S1.04 Type of specimen

- Wide local excision
- Compartmentectomy
- Radical excision
- Pelvic exenteration
- Amputation (state type):
- Other (specify):

### S1.05 Anatomical site

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
</table>

### S1.06 Laterality

- Left
- Right
- N/A
- Not stated

### G1.02 Clinical or differential diagnosis

### S1.07 Details of any neoadjuvant therapy

Not stated

### G1.03 Details of any relevant imaging

### G1.04 Details of previous biopsy
### Operative findings

<table>
<thead>
<tr>
<th>G1.05</th>
<th>Details of known sites of disease/metastasis</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>S1.08</th>
<th>Operative findings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not provided</td>
<td>Provided</td>
</tr>
</tbody>
</table>

#### Tumour extent

<table>
<thead>
<tr>
<th>G2.04</th>
<th>Details of relevant family history/predisposing factors</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Nature of tissue between tumour and closest margin

<table>
<thead>
<tr>
<th>G2.05</th>
<th>Nature of tissue between tumour and closest margin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fat</td>
<td></td>
</tr>
<tr>
<td>Muscle</td>
<td></td>
</tr>
<tr>
<td>Fascia</td>
<td></td>
</tr>
</tbody>
</table>

#### Nature of the tumour interface with normal tissue (e.g., infiltrative, well circumscribed or encapsulated)

<table>
<thead>
<tr>
<th>G2.06</th>
<th>Appearance of cut surface of tumour:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td></td>
</tr>
</tbody>
</table>

#### Haemorrhage

- Absent
- Present

#### Necrosis

- Not identified
- Present

#### % tumour volume

| % est. | % tumour volume |

### Measurements of specimen

<table>
<thead>
<tr>
<th>S2.04</th>
<th>Measurements of specimen</th>
</tr>
</thead>
<tbody>
<tr>
<td>length mm x width mm x thickness mm</td>
<td></td>
</tr>
</tbody>
</table>

### Measurements of tumour

<table>
<thead>
<tr>
<th>S2.05</th>
<th>Measurements of tumour</th>
</tr>
</thead>
<tbody>
<tr>
<td>length mm x width mm x thickness mm</td>
<td></td>
</tr>
</tbody>
</table>

### Distance from tumour to margins:

<table>
<thead>
<tr>
<th>G2.04</th>
<th>Distance from tumour to margins:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closest margin</td>
<td>Distance to closest margin mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other margin</th>
<th>Distance to other margin mm</th>
</tr>
</thead>
</table>

### Lymph nodes

<table>
<thead>
<tr>
<th>S2.06</th>
<th>Lymph nodes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site 1</td>
<td>Total number of nodes</td>
</tr>
<tr>
<td>Site 2</td>
<td>Total number of nodes</td>
</tr>
<tr>
<td>Site 3</td>
<td>Total number of nodes</td>
</tr>
</tbody>
</table>
Microscopic findings

S3.01 Tumour site

Tumour depth – tissue plane:
- Dermis
- Subcutis/superficial to deep fascia
- Subfascial
- Intramuscular
- Other (specify)

Tumour depth: mm
Measurement is not possible

G3.01 Tumour description
(eg cellularity, growth pattern etc)

G3.02 Mitotic rate
per 10hpf

G3.03 Necrosis:
- Not identified
- Present % tumour volume % est.

S3.02 Histologic type (WHO)

Subtype
Typing not possible

S3.03 Distance from close surgical margins

Margin 1 (state type):
Distance from margin: mm
Nature of tissue at margin:

Margin 2 (state type):
Distance from margin: mm
Nature of tissue at margin:

S3.04 Vascular invasion
- Not identified
- Present

S3.05 Lymph node involvement by tumour

Not applicable

Location/group 1
Number of nodes involved by tumour
Total number of nodes resected

Location/group 2
Number of nodes involved by tumour
Total number of nodes resected

Location/group 3
Number of nodes involved by tumour
Total number of nodes resected
### S3.06 Bone invasion
- Absent
- Present
- Not applicable

### G3.05 Tumour regression (where neoadjuvant chemo/radiotherapy administered)
- Absent
- Present
  - % tumour regression
    - % est.

### G3.06 Diagnostic SNOMED coding

### G3.07 Additional microscopic comment

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### Ancillary test findings

#### G4.01 Immunohistochemistry
- Positive Abs
- Negative Abs
- Equivocal Abs
  - Interpretation
  - Clinical significance

#### G4.02 Cytogenetic analysis
- Performing lab
- Result
- Conclusion
- Person responsible for reporting

#### G4.03 Molecular genetic analysis
- Performing lab
- Method
- Substrate
- Result

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### Synthesis and overview

#### S5.01 AJCC Tumour stage (See p6)
- T
- N
- M

#### S5.02 Year of publication and edition of cancer staging system

#### S5.03 Tumour grading (FNCLCC) (Adult STS) (See p6)
- Differentiation score
- Mitotic index score
- Tumour cell necrosis
- Total tumour score
- Grade

**Grading not possible/applicable**

If grading is not possible include a general statement

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**Tumour grading (COG)**
(non-rhabdomyosarcomatous paediatric sarcoma other than Ewing’s/PNET)

- Grade 1
- Grade 2
- Grade 3

**Grading not possible/appropriate**

**Intergroup Rhabdomyosarcoma Study classification**
(paediatric rhabdomyosarcoma)

- Embryonal, botryoid (favourable prognosis)
- Embryonal, spindle cell (favourable prognosis)
- Embryonal, NOS (intermediate prognosis)
- Alveolar, NOS or solid variant (poor prognosis)
- Anaplasia, diffuse (poor prognosis)
- Undifferentiated sarcoma (poor prognosis)

**Tumour site**

- Orbit
- Head and neck
- Bladder/prostate
- Extremity
- Cranial parameningeal
- Other (specify):

**PAX fusion type**

**Grading not possible/appropriate**

**Sent for specialist soft tissue review**
(give details)

**Diagnostic summary**
Include: Specimen type; tumour site & laterality; tumour size; type; grade; stage; completeness of excision; prognostically important results of ancillary studies; assessment of response to neoadjuvant therapy

**Other relevant information and comments**

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# AJCC Tumour Stage

**Primary Tumour (T)**
- **TX**: Primary tumour cannot be assessed
- **T0**: No evidence of primary tumour
- **T1**: Tumour 5 cm or less in greatest dimension*
  - **T1a**: Superficial tumour
  - **T1b**: Deep tumour
- **T2**: Tumour more than 5 cm in greatest dimension*
  - **T2a**: Superficial tumour
  - **T2b**: Deep tumour
*Note: Superficial tumour is located exclusively above the superficial fascia without invasion of the fascia; deep tumour is located either exclusively beneath the superficial fascia, superficial to the fascia with invasion of or through the fascia, or both superficial yet beneath the fascia.

**Regional Lymph Nodes (N)**
- **NX**: Regional lymph nodes cannot be assessed
- **N0**: No regional lymph node metastasis
- **N1**: Regional lymph node metastasis
*Note: Presence of positive nodes (N1) in M0 tumours is considered Stage III

**Distant Metastasis (M)**
- **M0**: No distant metastasis
- **M1**: Distant metastasis

## Anatomic Stage/Prognostic groups

<table>
<thead>
<tr>
<th>GROUP</th>
<th>T</th>
<th>N</th>
<th>M</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stage IA</td>
<td>T1a</td>
<td>N0</td>
<td>M0</td>
<td>G1, GX</td>
</tr>
<tr>
<td></td>
<td>T1b</td>
<td>N0</td>
<td>M0</td>
<td>G1, GX</td>
</tr>
<tr>
<td>Stage IB</td>
<td>T2a</td>
<td>N0</td>
<td>M0</td>
<td>G1, GX</td>
</tr>
<tr>
<td></td>
<td>T2b</td>
<td>N0</td>
<td>M0</td>
<td>G1, GX</td>
</tr>
<tr>
<td>Stage IIA</td>
<td>T1a</td>
<td>N0</td>
<td>M0</td>
<td>G2, G3</td>
</tr>
<tr>
<td></td>
<td>T1b</td>
<td>N0</td>
<td>M0</td>
<td>G2, G3</td>
</tr>
<tr>
<td>Stage IIB</td>
<td>T2a</td>
<td>N0</td>
<td>M0</td>
<td>G2</td>
</tr>
<tr>
<td></td>
<td>T2b</td>
<td>N0</td>
<td>M0</td>
<td>G2</td>
</tr>
<tr>
<td>Stage III</td>
<td>T2a</td>
<td>N0</td>
<td>M0</td>
<td>G3</td>
</tr>
<tr>
<td></td>
<td>T2b</td>
<td>N0</td>
<td>M0</td>
<td>G3</td>
</tr>
<tr>
<td>Any T</td>
<td>N1</td>
<td>M0</td>
<td>Any G</td>
<td></td>
</tr>
<tr>
<td>Any T</td>
<td>Any N</td>
<td>M1</td>
<td>Any G</td>
<td></td>
</tr>
</tbody>
</table>

## FNCLCC grading system

### Tumour differentiation
- Score 1: sarcomas closely resembling normal adult mesenchymal tissue (e.g., low grade leiomyosarcoma).
- Score 2: sarcomas for which histological typing is certain (e.g., myxoid liposarcoma).
- Score 3: embryonal and undifferentiated sarcomas, sarcomas of doubtful type, synovial sarcomas, osteosarcomas, PNET.

### Mitotic Count
- Score 1: 0-9 mitoses per 10 HPF*
- Score 2: 10-19 mitoses per 10 HPF
- Score 3: ≥20 mitoses per 10 HPF

### Tumour necrosis
- Score 0: no necrosis
- Score 1: <50% tumour necrosis
- Score 2: ≥50% tumour necrosis

### Histological grade
- Grade 1: total score 2, 3
- Grade 2: total score 4, 5
- Grade 3: total score 6, 7, 8
