

Soft Tissue Tumour Resection Histopathology Reporting Proforma



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

S1.01 Identification

Family name

Given name(s)

Date of birth

Sex

- Male
 Female
 Intersex/indeterminate

Ethnicity

- Aboriginal/Torres Strait Islander
 Other ethnicity
 Unknown

G1.01 Patient identifiers

e.g. MRN, IHI or NHI (please indicate which)

Date of request

S1.02 Accession number

Requesting doctor - name and contact details

Clinical details

S1.03 Principal clinician

S1.04 Type of specimen

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

Other (specify):

S1.05 Anatomical site

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

G1.05 Details of known sites of disease/metastasis

Three horizontal text input boxes for recording details of known sites of disease/metastasis.

S1.08 Operative findings

Not provided

Provided

Tumour extent

Three horizontal text input boxes for recording tumour extent.

All visible tumour resected?

No

Yes

Not stated

Other relevant information

Three horizontal text input boxes for recording other relevant information.

G1.06 Details of relevant family history/pre-disposing factors

Three horizontal text input boxes for recording details of relevant family history/pre-disposing factors.

Macroscopic findings

S2.04 Measurements of specimen

length mm x width mm x thickness mm

S2.05 Measurements of tumour

length mm x width mm x thickness mm

G2.04 Distance from tumour to margins:

Closest margin

Text input box for recording distance to closest margin.

Distance to closest margin

mm

Other margin

Text input box for recording other margin.

Distance to other margin

mm

G2.05 Nature of tissue between tumour and closest margin

Fat

Muscle

Fascia

Nature of the tumour interface with normal tissue (eg infiltrative, well circumscribed or encapsulated)

Three horizontal text input boxes for recording nature of the tumour interface with normal tissue.

G2.06 Appearance of cut surface of tumour:

Description

Three horizontal text input boxes for describing the appearance of the cut surface of the tumour.

Haemorrhage

Absent

Present

Necrosis

Not identified

Present

% tumour volume

% est.

S2.06 Lymph nodes

Site 1

Text input box for recording lymph node site 1.

Total number of nodes

Text input box for recording total number of nodes at site 1.

Site 2

Text input box for recording lymph node site 2.

Total number of nodes

Text input box for recording total number of nodes at site 2.

Site 3

Text input box for recording lymph node site 3.

Total number of nodes

Text input box for recording total number of nodes at site 3.

G2.08 Other macroscopic comment

Text input field for macroscopic comment

Microscopic findings

S3.01 Tumour site

Text input field for tumour site

Tumour depth – tissue plane:

- Dermis
- Subcutis/superficial to deep fascia
- Subfascial
- Intramuscular
- Other (specify)

Text input field for 'Other (specify)'

Tumour depth:

Text input field for tumour depth in mm

Measurement is not possible

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

Text input field for tumour description

G3.02 Mitotic rate

Text input field for mitotic rate per 10hpf

G3.03 Necrosis:

- Not identified
 - Present % tumour volume
- % est.

S3.02 Histologic type (WHO)

Text input field for histologic type

Subtype

Text input field for subtype

Typing not possible

G3.04 Pre-existing benign lesion (nerve sheath tumours)

- Absent
- Present

S3.03 Distance from close surgical margins

Margin 1 (state type):

Distance from margin:

Text input field for distance from margin in mm

Nature of tissue at margin:

Text input field for nature of tissue at margin

Margin 2 (state type):

Distance from margin:

Text input field for distance from margin in mm

Nature of tissue at margin:

Text input field for 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

Text input field for number of nodes involved

Total number of nodes resected

Text input field for total number of nodes resected

Location/group 2

Number of nodes involved by tumour

Text input field for number of nodes involved

Total number of nodes resected

Text input field for total number of nodes resected

Location/group 3

Number of nodes involved by tumour

Text input field for number of nodes involved

Total number of nodes resected

Text input field for 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

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

Conclusion

Person responsible for reporting

G4.04 Electron microscopy

Performing lab

Result

Conclusion

Person responsible for reporting

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

S5.04 Tumour grading (COG)
(non-rhabdomyosarcomatous paediatric sarcoma other than Ewing's/PNET)

- Grade 1
- Grade 2
- Grade 3

Grading not possible/appropriate

S5.05 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

G5.01 Sent for specialist soft tissue review
(give details)

G5.02 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

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S5.06 Other relevant information and comments

Worksheet prepared by:

On:

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

| GROUP | T | N | M | Grade |
|-----------|-------|-------|----|--------|
| Stage IA | T1a | N0 | M0 | G1, GX |
| | T1b | N0 | M0 | G1, GX |
| Stage IB | T2a | N0 | M0 | G1, GX |
| | T2b | N0 | M0 | G1, GX |
| Stage IIA | T1a | N0 | M0 | G2, G3 |
| | T1b | N0 | M0 | G2, G3 |
| Stage IIB | T2a | N0 | M0 | G2 |
| | T2b | N0 | M0 | G2 |
| Stage III | T2a | N0 | M0 | G3 |
| | T2b | N0 | M0 | G3 |
| Stage IV | Any T | N1 | M0 | Any G |
| | Any T | Any N | M1 | Any G |

Used with the permission of the American Joint Committee on Cancer (AJCC), Chicago, Illinois. The original source for this material is the AJCC Cancer Staging Manual, Seventh Edition (2010) published by Springer Science and Business Media LLC, www.springerlink.com.

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 iposarcoma).

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

Modified with permission from Trojani M, Contesso G, Coindre JM, Rouesse J, Bui NB, de Mascarel A, Goussot JF, David M, Bonichon F and Lagarde C (1984). Soft-tissue sarcomas of adults; study of pathological prognostic variables and definition of a histopathological grading system. *Int J Cancer* 33:37-42.