Soft Tissue Sarcoma
Histopathology Reporting Guide
Biopsy Specimens

Family/Last name

Given name(s)

Date of birth DD – MM – YYYY

Patient identifiers

Date of request DD – MM – YYYY

Accession/Laboratory number

Elements in **black text** are CORE. Elements in **grey text** are NON-CORE.

SCOPE OF THIS DATASET

☐ indicates multi-select values ◯ indicates single select values

CLINICAL INFORMATION (select all that apply)

- ◯ Information not provided
- ☐ Familial syndrome, *specify*
- ☐ Multifocal disease, *specify*
- ☐ Other, *specify*

OPERATIVE PROCEDURE (select all that apply)

- ◯ Not specified
- ☐ Core needle biopsy
- ☐ Incisional biopsy
- ☐ Excisional biopsy
- ☐ Other, *specify*

TUMOUR SITE (select all that apply)

- ◯ Not specified
- ☐ Cutaneous, *specify deeper extension if known*
- ☐ Head and neck, *specify site if known*
- ☐ Trunk, *specify site and depth if known*
- ☐ Extremities, *specify site and depth if known*

Specify laterality

- ◯ Left
- ◯ Right
- ◯ Not specified

- ☐ Abdominal/pelvic visceral organ(s), *specify site if known*
- ☐ Thoracic visceral organ(s), *specify site if known*
- ☐ Thoracic soft tissue (including mediastinum), *specify site if known*
- ☐ Retroperitoneum (including paratesticular), *specify site if known*
- ☐ Pelvis, *specify site if known*
- ☐ Other somatic or visceral site, *specify site if known*

HISTOLOGICAL TUMOUR TYPE

(Value list based on the World Health Organization Classification of Soft Tissue and Bone Tumours (2020))

- ◯ No residual tumour
- ◯ Atypical lipomatous tumour
- ◯ Liposarcoma, well-differentiated, *specify type*
- ◯ Dedifferentiated liposarcoma
- ◯ Myxoid liposarcoma
- ◯ Pleomorphic liposarcoma
- ◯ Dermatofibrosarcoma protuberans NOS
  - ◯ Dermatofibrosarcoma protuberans, fibrosarcomatous
- ◯ Solitary fibrous tumour NOS
- ◯ Inflammatory myofibroblastic tumour
  - ◯ Epithelioid inflammatory myofibroblastic sarcoma
- ◯ Myxoinflammatory fibroblastic sarcoma
- ◯ Infantile fibrosarcoma
- ◯ Fibrosarcoma NOS
- ◯ Myxofibrosarcoma
  - ◯ Epithelioid myxofibrosarcoma
- ◯ Low grade fibromyxoid sarcoma
- ◯ Sclerosing epithelioid fibrosarcoma
- ◯ Plexiform fibrohistiocytic tumour
- ◯ Giant cell tumour of soft parts

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- ◯ Haemangioendothelioma, *specify type*[a]
- ◯ Kaposi sarcoma, *specify epidemiologic type*
- ◯ Epithelioid haemangioendothelioma NOS
  - ◯ Epithelioid haemangioendothelioma with *WWTR1-CAMTA1* fusion
  - ◯ Epithelioid haemangioendothelioma with *YAP1-TFE3* fusion
- ◯ Angiosarcoma
- ◯ Glomus tumour, malignant
- ◯ Leiomyosarcoma NOS
- ◯ Embryonal rhabdomyosarcoma NOS
  - ◯ Embryonal rhabdomyosarcoma, pleomorphic
- ◯ Alveolar rhabdomyosarcoma
- ◯ Pleomorphic rhabdomyosarcoma NOS
- ◯ Spindle cell rhabdomyosarcoma
- ◯ Osteosarcoma, extraskeletal
- ◯ Malignant peripheral nerve sheath tumour NOS
  - ◯ Malignant peripheral nerve sheath tumour, epithelioid
- ◯ Malignant melanotic nerve sheath tumour
- ◯ Atypical fibroxanthoma
- ◯ Angiomatoid fibrous histiocytoma
- ◯ Ossifying fibromyxoid tumour NOS
- ◯ Synovial sarcoma, *specify type*
- ◯ Epithelioid sarcoma
  - ◯ Proximal or large cell epithelioid sarcoma
  - ◯ Classic epithelioid sarcoma
- ◯ Alveolar soft part sarcoma
- ◯ Clear cell sarcoma of soft tissue
- ◯ Extraskeletal myxoid chondrosarcoma
- ◯ Desmoplastic small round cell tumour
- ◯ Rhabdoid tumour of soft tissue
- ◯ Perivascular epithelioid tumour, malignant
- ◯ Myoepithelial carcinoma
- ◯ Mixed tumour, malignant, NOS
- ◯ Undifferentiated sarcoma
- ◯ Spindle cell sarcoma, undifferentiated
- ◯ Pleomorphic sarcoma, undifferentiated
- ◯ Round cell sarcoma, undifferentiated
- ◯ Ewing sarcoma
- ◯ Other round cell sarcoma, *specify*
- ◯ Sarcoma of uncertain type, *specify whether unclassifiable or requires additional testing*
- ◯ Soft tissue tumour of uncertain biologic potential, *specify type where known*
- ◯ Other, *specify*

Diagnosis based on (select all that apply)

- ◯ Not applicable
- ☐ Morphology
- ☐ Immunohistochemistry
- ☐ Molecular testing

[a] *e.g., Kaposiform, Retiform, Pseudomyogenic, Composite or Papillary Intralymphatic angioendothelioma.*

HISTOLOGICAL TUMOUR GRADE[b]

- ◯ Grade 1
- ◯ Grade 2
- ◯ Grade 3
- ◯ Cannot be assessed, *specify*

[b] *Histological tumour grade is required only for specific histotypes – refer to Note, Table 3.*

MITOTIC COUNT[c]

/2 mm^2

- ◯ Cannot be assessed

[c] *10 HPFs approximates to 2 mm^2 on most modern microscopes, but the number of fields to be counted to encompass 2 mm^2 should ideally be calculated on individual microscopes – refer to Note 5, Table 3.*

NECROSIS[d]

- ◯ Not identified
- ◯ Present

%

[d] *Necrosis is required for those sarcomas that are gradable – refer to Note 5, Table 3.*

LYMPHOVASCULAR INVASION

- ◯ Not identified
- ◯ Present
- ◯ Indeterminate

COEXISTENT PATHOLOGY

- ◯ None identified
- ◯ Present
  - ☐ Neoplastic pathology, *specify*
  - ☐ Non-neoplastic pathology, *specify*
  - ☐ Other, *specify*

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ANCILLARY STUDIES

- ◯ Not performed
- ◯ Performed
  - ☐ Immunohistochemistry, *specify test(s) and result(s)*
  - ☐ Molecular findings, *specify test(s) and result(s)*
  - ☐ Other, *specify test(s) and results*

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