

Soft Tissue Sarcoma Histopathology Reporting Guide Biopsy Specimens



Family/Last name Date of birth

Given name(s)

Patient identifiers Date of request 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

- 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 mm²

- Cannot be assessed

^c *10 HPFs approximates to 2 mm² on most modern microscopes, but the number of fields to be counted to encompass 2 mm² should ideally be calculated on individual microscopes – refer to HISTOLOGICAL TUMOUR GRADE, Table 3.*

NECROSIS^d 

- Not identified
- Present

 %

^d *Necrosis is required for those sarcomas that are gradable – refer to HISTOLOGICAL TUMOUR GRADE, Table 3.*

LYMPHOVASCULAR INVASION 

- Not identified
- Present
- Indeterminate

COEXISTENT PATHOLOGY 

- None identified
- Present (select all that apply)

Neoplastic pathology, *specify*

Non-neoplastic pathology, *specify*

Other, *specify*

ANCILLARY STUDIES 

- Not performed
- Performed (select all that apply)

Immunohistochemistry, *specify test(s) and result(s)*

Molecular findings, *specify test(s) and result(s)*

Other, *specify test(s) and result(s)*
