Soft Tissue Sarcoma Histopathology Reporting Guide Resection Specimens			
Family/Last name	Date of birth DD – MM – YYYY		
Given name(s)			
Patient identifiers	Date of request Accession/Laboratory number		
	DD – MM – YYYY		
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)	TUMOUR SITE (select all that apply)		
O Information not provided	O Not specified		
Familial syndrome, <i>specify</i>	Cutaneous, <i>specify deeper extension if known</i>		
	Head and neck, <i>specify site if known</i>		
Multifocal disease, <i>specify</i>			
	Trunk, <i>specify site and depth if known</i>		
Other, specify	Extremities, <i>specify site and depth if known</i>		
	Specify laterality		
NEOADJUVANT THERAPY	C Left C Right Not specified		
Information not provided	Abdominal/pelvic visceral organ(s), specify site if known		
Not administered			
 Administered (select all that apply) Neoadjuvant chemotherapy 	Thoracic visceral organ(s), <i>specify site if known</i>		
Neoadjuvant radiotherapy			
↓ Other, describe	Thoracic soft tissue (including mediastinum), <i>specify site if known</i>		
OPERATIVE PROCEDURE (select all that apply)	Retroperitoneum (including paratesticular), <i>specify site if known</i>		
 Not specified Resection, <i>specify if known</i> 			
	Pelvis, specify site if known		
	Other somatic or visceral site, <i>specify site if known</i>		
Amputation, <i>specify type</i>			
Other, <i>specify</i>			

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TUMOUR DEPTH – TISSUE PLANE (select all that apply)	Angiosarcoma
	🔘 Glomus tumour, malignant
Cannot be assessed	🔘 Leiomyosarcoma NOS
○ Not known	Embryonal rhabdomyosarcoma NOS
	Embryonal rhabdomyosarcoma, pleomorphic
Subcutaneous	🔘 Alveolar rhabdomyosarcoma
Subfascial/muscle	Pleomorphic rhabdomyosarcoma NOS
Bone	Spindle cell rhabdomyosarcoma
Abdominal/retroperitoneal	🔘 Osteosarcoma, extraskeletal
• Other, <i>specify</i>	$\stackrel{\smile}{\bigcirc}$ Malignant peripheral nerve sheath tumour NOS
	\sim Malignant peripheral nerve sheath tumour, epithelioid
	Malignant melanotic nerve sheath tumour
	\bigcirc Atypical fibroxanthoma
TUMOUR DIMENSIONS	Angiomatoid fibrous histiocytoma
	Ossifying fibromyxoid tumour NOS
Maximum tumour dimension mm	Synovial sarcoma, specify type
Additional dimensions mm × mm	
OR	 Epithelioid sarcoma
	Proximal or large cell epithelioid sarcoma
\bigcirc No identifiable tumour (e.g., after preoperative therapy)	Classic epithelioid sarcoma
Cannot be assessed, <i>specify</i>	 Alveolar soft part sarcoma
•	\bigcirc Clear cell sarcoma of soft tissue
	 Extraskeletal myxoid chondrosarcoma
	 Desmoplastic small round cell tumour
HISTOLOGICAL TUMOUR TYPE	 Rhabdoid tumour of soft tissue
(Value list based on the World Health Organization	 Perivascular epithelioid tumour, malignant
Classification of Soft Tissue and Bone Tumours (2020))	 Myoepithelial carcinoma
No residual tumour	Mixed tumour, malignant, NOS
 Atypical lipomatous tumour 	 Undifferentiated sarcoma
 Liposarcoma, well-differentiated, <i>specify type</i> 	 Spindle cell sarcoma, undifferentiated
	 Pleomorphic sarcoma, undifferentiated
	 Round cell sarcoma, undifferentiated
Dedifferentiated liposarcoma	 Ewing sarcoma
Myxoid liposarcoma	 Other round cell sarcoma, specify
Pleomorphic liposarcoma	
O Dermatofibrosarcoma protuberans NOS	
O Dermatofibrosarcoma protuberans, fibrosarcomatous	Sarcoma of uncertain type, <i>specify whether unclassifiable</i>
Solitary fibrous tumour NOS	V or requires additional testing
 Inflammatory myofibroblastic tumour 	
Epithelioid inflammatory myofibroblastic sarcoma	
Myxoinflammatory fibroblastic sarcoma	\bigcirc Soft tissue tumour of uncertain biologic potential,
 Infantile fibrosarcoma 	specify type where known
 ◯ Fibrosarcoma NOS 	
─ Myxofibrosarcoma	
Epithelioid myxofibrosarcoma	Other, <i>specify</i>
C Low grade fibromyxoid sarcoma	
Sclerosing epithelioid fibrosarcoma	
O Plexiform fibrohistiocytic tumour	Diagnosis based on (select all that apply)
Giant cell tumour of soft parts	O Not applicable
Haemangioendothelioma, <i>specify type</i> ^a	Morphology
▼	
	Molecular testing
Kaposi sarcoma, <i>specify epidemiologic type</i>	
▼ · · · · · · · · · · · · · · · · · · ·	^a e.g., Kaposiform, Retiform, Pseudomyogenic, Composite or Papillary
	Intralymphatic angioendothelioma.
Enitheliaid haemangicandetheliama NOS	
Epithelioid haemangioendothelioma NOS Epithelioid haemangioendothelioma with W/WTP1-	
Epithelioid haemangioendothelioma with WWTR1- CAMTA1 fusion	
Epithelioid haemangioendothelioma with YAP1-TFE3	
fusion	

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HISTOLOGICAL TUMOUR GRADE	MARGIN STATUS
◯ Grade 1	○ Cannot be assessed
Grade 2	\bigcirc Not involved (R0)
Grade 2	Distance of tumour from closest
\bigcirc	margin
Cannot be assessed, <i>specify</i>	Specify closest margin, if possible
	Specify distance to other margin(s), if relevant
^b Histological tumour grade is required only for specific histotypes – refer	mm
to Note, Table 3.	
	\bigcirc Microscopically involved (R1)
	Specify margin(s), if possible
MITOTIC COUNT [°]	
/2 mm ²	Macroscopically involved (R2)
	Specify margin(s), if possible
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 HISTOLOGICAL TUMOUR	
GRADE, Table 3.	
	LYMPH NODE STATUS
NECROSIS ^d	Cannot be assessed
NECROSIS	○ No nodes submitted or found
○ Not identified	Number of lymph nodes examined
O Present	
	Not involved
%	
	Number of involved lymph nodes
^d Necrosis is required for those sarcomas that are gradable – refer to	
HISTOLOGICAL TUMOUR GRADE, Table 3.	Number cannot be determined
LYMPHOVASCULAR INVASION	COEXISTENT PATHOLOGY
O Not identified	None identified
OPresent	\bigcirc Present (select all that apply)
	Neoplastic pathology, <i>specify</i>
RESPONSE TO NEOADJUVANT THERAPY	
O No prior treatment	
O No response	
Response	
♥ viable tumour %	Non-neoplastic pathology, <i>specify</i>
% necrosis	
%	
% therapy-induced tissue changes	
(e.g., fibrosis or hyalinization)	
% of cell differentiation %	Other specify
(e.g., myxoid liposarcoma)	Other, <i>specify</i>
Cannot be assessed, <i>explain reasons</i>	
▼	

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ANCILLARY STUDIES	PATHOLOGICAL STAGING (UICC TNM 8th edition) []
 Not performed Performed (select all that apply) Immunohistochemistry, <i>specify test(s) and result(s)</i> 	TNM Descriptors (only if applicable) (select all that apply) m - multiple primary tumours r - recurrent y - post-therapy
Molecular findings, <i>specify test(s) and result(s)</i>	 Primary tumour (pT) Inadequate specimen for assessment TX Primary tumour cannot be assessed T0 No evidence of primary tumour EXTREMITY AND SUPERFICIAL TRUNK T1 Tumour 5 cm or less in greatest dimension T2 Tumour more than 5 cm but no more than 10 cm in greatest dimension T3 Tumour more than 10 cm but no more than 15 cm in greatest dimension
	 T4 Tumour more than 15 cm in greatest dimension RETROPERITONEUM T1 Tumour 5 cm or less in greatest dimension T2 Tumour more than 5 cm but no more than 10 cm in greatest dimension
Other, <i>specify test(s) and result(s)</i>	 T3 Tumour more than 10 cm but no more than 15 cm in greatest dimension T4 Tumour more than 15 cm in greatest dimension
	HEAD AND NECK
	 T1 Tumour 2 cm or less in greatest dimension T2 Tumour more than 2 cm but no more than 4 cm in
	greatest
	 T3 Tumour more than 4 cm in greatest dimension T4a Tumour invades the orbit, skull base or dura, central compartment viscera, facial skeleton, and or pterygoid muscles
HISTOLOGICALLY CONFIRMED DISTANT METASTASES	T4b Tumour invades the brain parenchyma, encases the carotid artery, invades prevertebral muscle or involves the central nervous system by perineural spread
Present, <i>specify site(s)</i>	THORACIC AND ABDOMINAL VISCERA
	○ T1 Tumour confined to a single organ
	 T2a Tumour invades serosa or visceral peritoneum T2b Tumour with microscopic extension beyond the serosa
	 T3 Tumour invades another organ or macroscopic extension beyond the serosa
	T4a Multifocal tumour involving no more than two sites in one organ
	 T4b Multifocal tumour involving more than two sites but not more than five sites T4c Multifocal tumour involving more than five sites
	Regional lymph nodes (pN)
	No nodes submitted or found
	 NX Regional lymph nodes cannot be assessed N0 No regional lymph node metastasis
	N0N0regional lymph hode metastasisN1Regional lymph node metastasis
	^e Reproduced with permission. Source: UICC TNM Classification of Malignant Tumours, 8 th Edition, eds by James D. Brierley, Mary K. Gospodarowicz, Christian Wittekind. 2016, Publisher Wiley (incorporating any errata published up until 6 th October 2020).

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