Primary T Histopatholog Resectio	Tumour in Bone gy Reporting Guide on 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 <b>black text</b> are CORE. Elements in <b>grey text</b> are <b>f</b> indicates multi-select values indicates single select values	NON-CORE. SCOPE OF THIS DATASET
CLINICAL INFORMATION (select all that apply) (Note 1)	<b>OPERATIVE PROCEDURE</b> (select all that apply) (Note 4)
$\bigcirc$ Information not provided	○ Not specified
Pre-existing skeletal disease, <i>specify</i>	En bloc resection
	Amputation
	<ul> <li>Curettage</li> <li>Other (e.g., metastasectomy, lymph node dissection),</li> </ul>
Familial syndrome, <i>specify</i>	
Multifocal disease, <i>specify</i>	ANATOMICAL SITE (Note 5)
	O Bone, not specified
	Bone, <i>specify</i>
Other clinical information (e.g., prior radiation therapy,	
<ul> <li>Implants, fracture), specify</li> </ul>	Other, <i>specify</i>
NEOADJUVANT THERAPY (Note 2)	<b>TUMOUR SITE</b> (select all that apply) (Note 6)
Information not provided	Epiphysis or apophysis
<ul> <li>Not administered</li> </ul>	Metaphysis
$\stackrel{\smile}{\bigcirc}$ Administered (select all that apply)	
Neoadjuvant chemotherapy	Ville, specify
Neoadjuvant radiotherapy	
Uther (e.g., denosumab), <i>describe</i>	□ Not known
	AND
Included in clinical trial	
🔿 No 🔅 Not known	Medullary cavity
Yes, <i>specify</i>	Surface
*	
	Tumour confined to bone
IMAGING FINDINGS (Note 3)	Tumour involves joint
O Information not provided	Tumour extension into soft tissue
Provided, <i>describe</i>	│
	TUMOUR LATERALITY
	() Right
	○ Not specified/Not applicable

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rumour dimensions (Note 7)	HISTOLOGICAL TUMOUR GRADE (Note 9)	
Maximum tumour dimension mm	<ul> <li>Not applicable</li> <li>Grade 1</li> </ul>	
	Grade 2	
Additional dimensions mm x mm	Grade 3	
OR	$\bigcirc$ Cannot be assessed, <i>specify</i>	
	¥	
$\bigcirc$ No identifiable tumour (e.g., after preoperative therapy)		
Cannot be assessed, <i>specify</i>		
Pressures of skin metastasses		
	MICROSCOPIC EXTENT OF INVASION (select all	that apply)
Ves specify dimensions	(Applicable to medullary tumours only)	(Note 10)
V Tes, specify dimensions	Cannot be assessed	
	Permeative (infiltrative) growth	
	$\Box$ Cortical destruction	
ISTOLOGICAL TUMOUR TYPE (Note 8)		
(Value list based on the World Health Organization		
Classification of Soft Tissue and Bone Tumours (2020))		
	LYMPHOVASCULAR INVASION (Note 11)	
	Indeterminate	
	<ul> <li>Not identified</li> </ul>	
O Peripheral chondrosarcoma	Present	
O Periosteal chondrosarcoma	- Tresent	
Clear cell chondrosarcoma	DESDONSE TO NEOADUUVANT THEDADY (Not	- 12)
Mesenchymal chondrosarcoma RESPONSE TO NEOADJUVANT THERAPY (Note 12)		e 12)
O Dedifferentiated chondrosarcoma	O No prior treatment	
Low grade central osteosarcoma	O No response	
$\bigcirc$ Osteosarcoma (conventional, teleangiectatic, or small cell)	Response	
Parosteal osteosarcoma	• 04 viable tumour	0/2
		70
High grade surface esteesarcoma	% response (e.g. necrosis fibrosis	
	calcification)	%
	Cannot be assessed, <i>explain reasons</i>	
Epithelioid naemangloendothelioma		
$\bigcirc$ Giant cell tumour of bone		
<ul> <li>Giant cell tumour of bone, malignant</li> </ul>	MARGIN STATUS (Note 13)	
$\bigcirc$ Conventional chordoma (including chondroid)		
Poorly differentiated chordoma		
O Dedifferentiated chordoma		
Adamantinoma of long bones	Distance of tumour from closest	mm
C Leiomyosarcoma of bone	margin	
<ul> <li>Undifferentiated pleomorphic sarcoma</li> </ul>	Specify closest margin(s) (e.g., distal), if p	ossible
Ewing sarcoma		
Round cell sarcoma with EWSR1-non FTS fusions		
$\bigcirc$ Sarcoma with <i>BCOR</i> genetic alterations		
$\bigcirc$ Other specify	Specify type of tissue of closest margin	
Indeterminate, specify	AND	
	Distance of tumour to osteotomy	mm
	(if not the closest margin)	
Comments	Microscopically involved (R1)	
Comments	Specify margin(c) if peecible	
	Specity margin(s), it possible	
	Macrosconically involved (R2)	
	Specity margin(s), if possible	

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LYMPH NODE STATUS (Note 14)	PATHOLOGICAL STAGING (UICC TNM 8 <sup>th</sup> edition) <sup>b</sup> (Note 17		
Cannot be assessed	<b>TNM Descriptors</b> (only if applicable) (select all that apply)		
$\bigcirc$ No nodes submitted or found	m - multiple primary tumours		
Number of lymph nodes examined	r - recurrent		
	🗌 y - post-therapy		
	Drimony tumour (nT)		
Number of involved lymph nodes			
	TX Primary tumour cannot be accessed		
Number cannot be determined	$\bigcirc$ T0 No evidence of primary tumour		
<b>COEXISTENT PATHOLOGY</b> <sup>a</sup> (Note 15)	APPENDICULAR SKELETON, TRUNK, SKULL AND FACIAL BONES		
None identified	◯ T1 Tumour 8 cm or less in greatest dimension		
	T2 Tumour more than 8 cm in greatest dimension		
V Fresent, specify	○ T3 Discontinuous tumours in the primary bone site		
	SPINE		
	T1 Tumour confined to a single vertebral segment or two adjacent vertebral segments <sup>c</sup>		
<sup>a</sup> Found at histological examination.	<ul> <li>T2 Tumour confined to three adjacent vertebral segments<sup>c</sup></li> </ul>		
	<ul> <li>T3 Tumour confined to four adjacent vertebral segments<sup>c</sup></li> </ul>		
ANCILLARY STUDIES (Note 16)	$\bigcirc$ T4a Tumour invades into the spinal canal		
	T4b Tumour invades the adjacent vessels or tumour		
<ul> <li>Performed</li> </ul>	PFLVIS		
$\checkmark$ Immunohistochemistry. specify test(s) and result(s)	$\bigcirc$ T1a A tumour 8 cm or less in size and confined to a		
	single pelvic segment <sup>d</sup> with no extraosseous extension		
	T1b A tumour greater than 8cm in size and confined to a single pelvic segment <sup>d</sup> with no extraosseous extension		
	T2a A tumour 8 cm or less in size and confined to a single pelvic segment with extraosseous extension or confined to two adjacent pelvic segments <sup>d</sup> without extraosseous extension		
Molecular findings, <i>specify test(s) and result(s)</i> T2b A tumour greater than 8 cm in size and or to a single pelvic segment with extraosse extension or confined to two adjacent per segments <sup>d</sup> without extraosseous extensions			
	T3a A tumour 8 cm or less in size and confined to two pelvic segments <sup>d</sup> with extraosseous extension		
	T3b A tumour greater than 8cm in size and confined to two pelvic segments <sup>d</sup> with extraosseous extension		
Other record test(s) methodology and result(s)	T4a Tumour involving three adjacent pelvic segments <sup>d</sup> or crossing the sacroiliac joint to the sacral neuroforamen		
	T4b Tumour encasing the external iliac vessels or gross tumour thrombus in major pelvic vessels		
	Regional lymph nodes (pN)		
	No nodes submitted or found		
	○ NX Regional lymph nodes cannot be assessed		
	N0 No regional lymph node metastasis		
	<ul> <li>N1 Regional lymph node metastasis</li> </ul>		
<b>Representative blocks for ancillary studies</b> , specify those blocks best representing tumour and/or normal tissue for further study	<sup>b</sup> Reproduced with permission. Source: UICC TNM Classification of Malignant Tumours, 8 <sup>th</sup> Edition, eds by James D. Brierley, Mary K. Gospodarowicz, Christian Wittekind. 2016, Publisher Wiley (incorporating any errata published up until 25 <sup>th</sup> January 2022).		
	<sup>c</sup> The five vertebral segments are the: Right pedicle, Right body, Left body, Left		
	<sup>d</sup> The four pelvic segments are the: Sacrum lateral to the sacral foramen, Iliac wing, Acetabulum/periacetabulum and Pelvic rami, symphysis and		

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ischium.

### Definitions

#### **CORE** elements

CORE elements are those which are essential for the clinical management, staging or prognosis of the cancer. These elements will either have evidentiary support at Level III-2 or above (based on prognostic factors in the National Health and Medical Research Council (NHMRC) levels of evidence<sup>1</sup>). In rare circumstances, where level III-2 evidence is not available an element may be made a CORE element where there is unanimous agreement by the Dataset Authoring Committee (DAC). An appropriate staging system e.g., Pathological TNM staging would normally be included as a CORE element.

Non-morphological testing e.g., molecular or immunohistochemical testing is a growing feature of cancer reporting. However, in many parts of the world this type of testing is limited by the available resources. In order to encourage the global adoption of ancillary tests for patient benefit, International Collaboration on Cancer Reporting (ICCR) includes the most relevant ancillary testing in ICCR Datasets as CORE elements, especially when they are necessary for the diagnosis. Where the technical capability does not yet exist, laboratories may consider temporarily using these data elements as NON-CORE items.

The summation of all CORE elements is considered to be the minimum reporting standard for a specific cancer.

#### **NON-CORE** elements

NON-CORE elements are those which are unanimously agreed should be included in the dataset but are not supported by level III-2 evidence. These elements may be clinically important and recommended as good practice but are not yet validated or regularly used in patient management.

Key information other than that which is essential for clinical management, staging or prognosis of the cancer such as macroscopic observations and interpretation, which are fundamental to the histological diagnosis and conclusion e.g., macroscopic tumour details, may be included as either CORE or NON-CORE elements by consensus of the DAC.

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### Scope

The dataset has been developed for the pathology reporting of resection specimens of primary tumour in bone. Ewing sarcoma and related round cell sarcomas with primary bone presentation are also covered in this dataset. A separate ICCR dataset is available for reporting of biopsy specimens of primary tumour in bone.<sup>2</sup> Some types of soft tissue sarcoma may on rare occasion arise primarily in bone and should be reported using the primary tumour in bone dataset, rather than the soft tissue sarcoma dataset.

Haematologic malignancies and metastatic specimens are excluded from this dataset.

The authors of this dataset can be accessed here.

# Note 1 - Clinical information (Non-core)

For accurate diagnosis of bone tumours, a multidisciplinary approach is imperative. It is the responsibility of the clinician or radiologist requesting the pathological examination of a specimen to provide information to the pathologist that will have an impact on the diagnostic process or affect its interpretation. The use of a standard pathology requisition/request form including a checklist of important clinical information is strongly encouraged to help ensure that important clinical data is provided by the clinicians with the specimen.

It is also the responsibility of the pathologist to verify that all radiological and clinical information that is essential to make a diagnosis is available to guarantee that the final diagnosis is made within the appropriate clinical/imaging context. This often achieved through discussion at a multidisciplinary tumour board meeting.

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# Note 2 - Neoadjuvant therapy (Core and Non-core)

Information about treatment or other clinical information aids interpretation of the microscopic findings and accurate pathological diagnosis. Pre-operative radiation and/or other therapy may have a profound effect on the morphology of both the cancer and benign tissue. Knowledge of such prior therapy may help to interpret changes such as necrosis, vasculature changes, cellular atypia and inflammatory cells. For this reason, information about any previous therapy is important for the accurate assessment of bone specimens. Different scoring systems are being used, and are discussed in **Note 12 RESPONSE TO NEOADJUVANT THERAPY**. Moreover, the use of denosumab in giant cell tumour of bone induces bone formation, and disappearance of the giant cells, therefore, this information is crucial. Also, previous embolization may cause areas of necrosis. In addition, many novel therapies, such as tyrosine kinase inhibitors and immunotherapy, may cause histological effects when used in a neoadjuvant setting, and need to be fully described.

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# Note 3 - Imaging findings (Core)

The correlation between the histology and imaging findings is critical in the diagnosis of bone tumours. For instance, aggressive features identified radiographically (permeative/moth-eaten growth, cortical destruction, soft tissue extension, periosteal reaction) should be mentioned here, as well as multifocality, evidence of matrix deposition, presence of fluid-fluid levels etc. It is important for the pathologist to be aware of the radiological differential diagnosis, and to be aware of previous radiological findings, if applicable. The presence of a pathologic fracture may influence the histological evaluation and should be documented. Certain bone tumours (cartilaginous tumour, vascular tumours) tend to occur multifocally, and skip metastases can be present. This is important knowledge for the pathologist when working up the resection specimen. Finally, in the case of neoadjuvant therapy, the radiological response evaluation should be recorded.

# Note 4 - Operative procedure (Core)

This element includes the type and intent of the operative procedure, independent of the final margin assessment by the pathologist. On the rare occasion that lymph nodes are included with the specimen, these should be listed under 'other'. Metastasectomy specimens can also be listed under 'other'.

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### Note 5 - Anatomical site (Core)

Recording anatomical site of the tumour is important as certain bone tumours have a preference for specific bones and do not occur in others, and there is a strong association between site and outcome. The latter is especially true for cartilaginous tumours, and as a consequence in the World Health Organization (WHO) Classification of Tumours, Soft Tissue and Bone Tumours, 5<sup>th</sup> edition, 2020,<sup>3</sup> a diagnosis of atypical cartilaginous tumours/chondrosarcoma grade 1, depends on whether the tumour is located in the appendicular or the axial skeleton, respectively. In the long and short tubular bones these tumours behave in a locally aggressive manner and do not metastasize, can be treated locally, and should not be classified as having full malignant potential. Therefore, the term 'atypical cartilaginous tumour' is used for these cartilaginous tumours in the appendicular skeleton (long and short tubular bones). In contrast, the term chondrosarcoma grade 1 is used for histologically similar tumours of the axial skeleton, including the pelvis, scapula and skull base (flat bones) – reflecting the poorer clinical outcome and the necessity of more aggressive treatment of these tumours at these sites. Please note that here we consider the scapula and skull base to be part of the axial skeleton. It should be noted that the definition of axial versus appendicular is not universally accepted; while the 2020 WHO Classification<sup>3</sup> categorises the scapula, and skull base as part of the axial skeleton, the Union for International Cancer Control (UICC)<sup>4</sup>/American Joint Committee on Cancer (AJCC)<sup>5</sup> TNM 8<sup>th</sup> editions include these with appendicular skeleton.

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# Note 6 - Tumour site (Core)

It is important to know the exact tumour site within the bone; for intramedullary tumours and those arising primary at the surface of bone, the histological differential diagnosis will differ. Also, some tumours almost exclusively occur in the epiphysis of the bone (e.g., clear cell chondrosarcoma, giant cell tumour of bone), while others prefer the metaphysis (osteosarcoma) or diaphysis (Ewing sarcoma, adamantinoma). Moreover, primary soft tissue sarcomas may be in close proximity and even invade the bone, while primary bone sarcomas may have an extensive soft tissue component; in these cases, radiological information is required to decide whether the tumour originates primarily from bone or soft tissue.

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# Note 7 - Tumour dimensions (Core and Non-core)

The size of the largest tumour mass should be measured on the resection specimen, preferably in three dimensions as this is important to evaluate the tumour volume.

# Note 8 - Histological tumour type (Core)

Histologic diagnosis is based on the WHO Classification of Tumours, Soft Tissue and Bone Tumours, 5<sup>th</sup> edition, 2020 (Table 1).<sup>3</sup> The ICCR dataset includes 5<sup>th</sup> edition Corrigenda, November 2022.<sup>6</sup> The diagnosis is usually made on biopsy before resection. A comment should be included if the final diagnosis based on the resection specimen is discordant with the previous diagnosis on the biopsy.

Descriptor	ICD-O codes <sup>a</sup>
Chondrogenic tumours	
Intermediate (locally aggressive)	
Atypical cartilaginous tumour	9222/1
Malignant	
Chondrosarcoma, grade 1	9222/3*
Chondrosarcoma, grade 2	9220/3
Chondrosarcoma, grade 3	9220/3
Periosteal chondrosarcoma	9221/3
Clear cell chondrosarcoma	9242/3
Mesenchymal chondrosarcoma	9240/3
Dedifferentiated chondrosarcoma	9243/3
Osteogenic tumours	
Malignant	
Low-grade central osteosarcoma	9187/3
Osteosarcoma	9180/3
Conventional osteosarcoma	
Telangiectatic osteosarcoma	
Small cell osteosarcoma	
Parosteal osteosarcoma	9192/3
Periosteal osteosarcoma	9193/3
High-grade surface osteosarcoma	9194/3
Secondary osteosarcoma	9184/3
Fibrogenic tumours	
Malignant	
Fibrosarcoma NOS	8810/3
Vascular tumours of bone	
Malignant	
Epithelioid haemangioendothelioma NOS	9133/3
Angiosarcoma	9120/3
Osteoclastic giant cell-rich tumours	
Intermediate (locally aggressive, rarely metastasizing)	

# Table 1: World Health Organization classification of intermediate and malignant bone tumours and undifferentiated small round cell sarcomas.<sup>3</sup>

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Descriptor	ICD-O codes <sup>a</sup>
Giant cell tumour of bone	9250/1
Malignant	
Giant cell tumour of bone, malignant	9250/3
Notochordal tumours	
Malignant	
Conventional chordoma	9370/3
Chondroid chordoma	
Poorly differentiated chordoma	9370/3
Dedifferentiated chordoma	9372/3
Other mesenchymal tumours of bone	
Malignant	
Adamantinoma of long bones	9261/3
Dedifferentiated adamantinoma	
Leiomyosarcoma NOS	8890/3
Pleomorphic sarcoma, undifferentiated	8802/3
Haematopoietic neoplasms of bone	
Plasmacytoma of bone	9731/3
Malignant lymphoma, non-Hodgkin, NOS	9591/3
Hodgkin disease NOS	9650/3
Diffuse large B-cell lymphoma NOS	9680/3
Follicular lymphoma NOS	9690/3
Marginal zone B-cell lymphoma NOS	9699/3
T-cell lymphoma NOS	9702/3
Anaplastic large cell lymphoma NOS	9714/3
Malignant lymphoma, lymphoblastic, NOS	9727/3
Burkitt lymphoma NOS	9687/3
Langerhans cell histiocytosis NOS	9751/1
Langerhans cell histiocytosis, disseminated	9751/3
Erdheim–Chester disease	9749/3
Rosai–Dorfman disease	9749/3
Undifferentiated small round cell	
Ewing sarcoma	9364/3
Round cell sarcoma with EWSR1-non-ETS fusions	9366/3*
CIC-rearranged sarcoma	9367/3*
Sarcoma with BCOR genetic alterations	9368/3*

<sup>a</sup> These morphology codes are from the International Classification of Diseases for Oncology, third edition, second revision (ICD-O-3.2).<sup>7</sup> Behaviour is coded /0 for benign tumours; /1 for unspecified, borderline, or uncertain behaviour; /2 for carcinoma in situ and grade III intraepithelial neoplasia; /3 for malignant tumours, primary site; and /6 for malignant tumours, metastatic site.

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# Note 9 - Histological tumour grade (Core)

In bone sarcomas, the histotype mostly determines grade, as indicated in the list below (based on the 2020 WHO Classification<sup>3</sup>), with only a very few exceptions.

Bone sarcomas in which grade is determined by histotype:

Grade 1 (low grade):

- Low grade intramedullary osteosarcoma
- Parosteal osteosarcoma
- Clear cell chondrosarcoma

Grade 2 (intermediate grade):

• Periosteal osteosarcoma

Grade 3 (high grade):

- Osteosarcoma (conventional, telangiectatic, small cell, secondary, high grade surface)
- Undifferentiated high grade pleomorphic sarcoma
- Ewing sarcoma and BCOR-rearranged sarcoma
- Dedifferentiated chondrosarcoma
- Mesenchymal chondrosarcoma
- Dedifferentiated chordoma
- Poorly differentiated chordoma
- Angiosarcoma

#### Variable:

- Conventional chondrosarcoma (Grade 1-3 according to Evans)<sup>3,8</sup>
- Leiomyosarcoma of bone (Grade 1-3 no established grading system)
- Low and high grade malignancy may occur in giant cell tumour of bone

Not applicable:

• Adamantinoma and conventional chordoma.

# Note 10 - Microscopic extent of invasion (Core)

For correlation with imaging, histological evidence of permeative growth, cortical invasion and destruction or soft tissue extension should be recorded. This is facilitated when gross examination is aligned with the radiological imaging.

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### Note 11 - Lymphovascular invasion (Non-core)

Lymphovascular invasion (LVI) is extremely rare in bone tumours. However, it is important to report if identified in the specimen.

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### Note 12 - Response to neoadjuvant therapy (Core)

The response to pre-operative chemotherapy is of prognostic value, especially in Ewing and osteosarcoma, and needs to be evaluated in a standardised way. At least one complete central slab of tumour through its largest dimension should be submitted for histological evaluation. Additional sections can be taken from the remaining two hemispheres of the specimen, especially near the periosteum/soft tissue extension. The amount of remaining viable tumour cell should be estimated on each histological slide to obtain an average score reflecting the overall percentage of response. Response does not always consist of necrosis, very often extensive fibrosis and calcification can be seen, which is also considered response. In osteosarcoma, a cut-off of 10% viable tumour cells/90% or more response (tumour necrosis, fibrosis and calcification) is used to indicate a good response.<sup>9</sup> For Ewing sarcoma the cut-off is less well defined. Grimer and colleagues (2016) recently showed 100% response was most optimal to define a good tumour response in Ewing sarcoma.<sup>10</sup> In earlier reports (the Bologna system<sup>11</sup> as well as the van der Woude scoring system<sup>12</sup>) a good response was defined as the percentage of necrosis of the microscopic tumour mass between 90% and 100%. In the literature different cut-offs are used to evaluate chemotherapy-induced necrosis.<sup>13-16</sup>

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# Note 13 - Margin status (Core and Non-core)

There is no generally accepted way of reporting margins for bone tumours. If margins are involved, a distinction is often made between microscopic involvement (R1) and resections in which it is evident macroscopically that the tumour is incompletely resected (R2). In the case of negative margins (R0), the minimum that should be documented is the distance of tumour to the closest margin. The type of tissue comprising the resection margin should also be recorded (e.g., pseudocapsule, loose fibrous/ fibroadipose tissue, bone, skeletal muscle, dense regular connective tissue (fascia/aponeurosis/ periosteum/vascular sheath/perineurium) since it might be that bone/fascia are more robust marginal tissues than other tissue types. In addition, the distance to the closest osteotomy margin should also be recorded even if it is not the closest margin. Some guidelines recommend that all margins less than 20 millimetres (mm) should be documented in terms of depth and the tissue comprising each that is less than 20 mm.

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# Note 14 - Lymph node status (Non-core)

Lymph nodes are very rarely submitted or found with bone specimens and it is not necessary to undertake an exhaustive search for nodes in the specimen. Though regional lymph node metastasis is very rare in adult bone sarcomas, its presence has prognostic importance and it is important to report.

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# Note 15 - Coexistent pathology (Non-core)

If present, the pathologist should report other abnormalities that are relevant for the diagnosis and any other significant pathologic finding, even if not directly relevant or unrelated. For instance, the presence of precursor lesions for chondrosarcoma, such as multiple enchondromas, osteochondroma, or synovial chondromatosis should be documented. Paget disease and osteonecrosis or bone infarction may be seen in addition to a secondary sarcoma. The presence of a pathologic fracture may influence the histological evaluation and should be documented. Other unrelated findings may include vasculitis, infection, coexistent chronic lymphocytic leukaemia (CLL) or incidental/unexpected metastatic carcinoma in the same specimen.

### 1 Back

# Note 16 - Ancillary studies (Core)

All immunohistochemical stainings and molecular tests that contributed to the diagnosis should be documented. For instance, for Ewing sarcoma and other round cell sarcomas, lymphoma, adamantinoma and chordoma, these ancillary studies (immunohistochemical and/or molecular) are critical.

### 1 Back

# Note 17 - Pathological staging (Non-core)

It is important that pathologist give the required ingredients for staging (according to UICC<sup>4</sup> or AJCC<sup>5</sup> 8<sup>th</sup> edition Staging Systems) in their reports. Ultimately, the final stage will be determined by the treating physician or in the multidisciplinary team, which will take both the pathological and imaging findings into account.

### 1 Back

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