

Primary Tumour in Bone Histopathology Reporting Guide Resection 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
- Pre-existing skeletal disease, *specify*
- Familial syndrome, *specify*
- Multifocal disease, *specify*
- Other clinical information (e.g., prior radiation therapy, implants, fracture), *specify*

NEOADJUVANT THERAPY

- Information not provided
- Not administered
- Administered (select all that apply)
 - Neoadjuvant chemotherapy
 - Neoadjuvant radiotherapy
 - Other (e.g., denosumab), *describe*

Included in clinical trial

No Not known

Yes, *specify*

IMAGING FINDINGS

- Information not provided
- Provided, *describe*

OPERATIVE PROCEDURE (select all that apply)

- Not specified
- En bloc resection
- Amputation
- Curettage
- Other (e.g., metastasectomy, lymph node dissection), *specify*

ANATOMICAL SITE

- Bone, not specified
- Bone, *specify*
- Other, *specify*

TUMOUR SITE (select all that apply)

- Epiphysis or apophysis
- Metaphysis
- Diaphysis
- Other, *specify*
- Not known
- AND
- Cortex
- Medullary cavity
- Surface
- Not known
- AND
- Tumour confined to bone
- Tumour involves joint
- Tumour extension into soft tissue
- Not known

TUMOUR LATERALITY

- Left
- Right
- Not specified/Not applicable

TUMOUR DIMENSIONS 

Maximum tumour dimension mm

Additional dimensions mm x mm

OR

No identifiable tumour (e.g., after preoperative therapy)

Cannot be assessed, *specify*

Presence of skip metastases

No

Yes, *specify dimensions*

HISTOLOGICAL TUMOUR TYPE 

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

- Atypical cartilaginous tumour
- Central chondrosarcoma
- Peripheral chondrosarcoma
- Periosteal chondrosarcoma
- Clear cell chondrosarcoma
- Mesenchymal chondrosarcoma
- Dedifferentiated chondrosarcoma
- Low grade central osteosarcoma
- Osteosarcoma (conventional, teleangiectatic, or small cell)
- Parosteal osteosarcoma
- Periosteal osteosarcoma
- High grade surface osteosarcoma
- Secondary osteosarcoma
- Fibrosarcoma
- Epithelioid haemangioendothelioma
- Angiosarcoma
- Giant cell tumour of bone
- Giant cell tumour of bone, malignant
- Conventional chordoma (including chondroid)
- Poorly differentiated chordoma
- Dedifferentiated chordoma
- Adamantinoma of long bones
- Leiomyosarcoma of bone
- Undifferentiated pleomorphic sarcoma
- Ewing sarcoma
- Round cell sarcoma with *EWSR1*-non ETS fusions
- Sarcoma with *BCOR* genetic alterations
- Other, *specify*

Indeterminate, *specify*

Comments

HISTOLOGICAL TUMOUR GRADE 

Not applicable

Grade 1

Grade 2

Grade 3

Cannot be assessed, *specify*

MICROSCOPIC EXTENT OF INVASION (select all that apply) 

(Applicable to medullary tumours only)

- Cannot be assessed
- Permeative (infiltrative) growth
- Cortical destruction
- Soft tissue extension

LYMPHOVASCULAR INVASION 

- Indeterminate
- Not identified
- Present

RESPONSE TO NEOADJUVANT THERAPY 

No prior treatment

No response

Response

% viable tumour %

% response (e.g., necrosis, fibrosis, calcification) %

Cannot be assessed, *explain reasons*

MARGIN STATUS 

Cannot be assessed

Not involved (R0)

Distance of tumour from closest margin mm

Specify closest margin(s) (e.g., distal), if possible

Specify type of tissue of closest margin

AND

Distance of tumour to osteotomy (if not the closest margin) mm

Microscopically involved (R1)

Specify margin(s), if possible

Macroscopically involved (R2)

Specify margin(s), if possible

LYMPH NODE STATUS 

- Cannot be assessed
- No nodes submitted or found

Number of lymph nodes examined

- Not involved
- Involved

Number of involved lymph nodes

- Number cannot be determined

COEXISTENT PATHOLOGY^a 

- None identified
- Present, *specify*

^a Found at histological examination.

ANCILLARY STUDIES 

- Not performed
- Performed

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

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

Other, *record test(s), methodology and result(s)*

Representative blocks for ancillary studies, specify those blocks best representing tumour and/or normal tissue for further study

PATHOLOGICAL STAGING (UICC TNM 8th edition)^b 

TNM Descriptors (only if applicable) (select all that apply)

- m - multiple primary tumours
- r - recurrent
- y - post-therapy

Primary tumour (pT)

- Inadequate specimen for assessment
- TX Primary tumour cannot be assessed
- T0 No evidence of primary tumour

APPENDICULAR SKELETON, TRUNK, SKULL AND FACIAL BONES

- T1 Tumour 8cm or less in greatest dimension
- T2 Tumour more than 8cm in greatest dimension
- T3 Discontinuous tumours in the primary bone site

SPINE

- T1 Tumour confined to a single vertebral segment or two adjacent vertebral segments^c
- T2 Tumour confined to three adjacent vertebral segments^c
- T3 Tumour confined to four adjacent vertebral segments^c
- T4a Tumour invades into the spinal canal
- T4b Tumour invades the adjacent vessels or tumour thrombosis within the adjacent vessels

PELVIS

- T1a A tumour 8cm or less in size and confined to a single pelvic segment^d with no extraosseous extension
- T1b A tumour greater than 8cm in size and confined to a single pelvic segment^d with no extraosseous extension
- T2a A tumour 8cm or less in size and confined to a single pelvic segment with extraosseous extension or confined to two adjacent pelvic segments^d without extraosseous extension
- T2b A tumour greater than 8cm in size and confined to a single pelvic segment with extraosseous extension or confined to two adjacent pelvic segments^d without extraosseous extension
- T3a A tumour 8cm or less in size and confined to two pelvic segments^d with extraosseous extension
- T3b A tumour greater than 8cm in size and confined to two pelvic segments^d with extraosseous extension
- T4a Tumour involving three adjacent pelvic segments^d 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
- N1 Regional lymph node metastasis

^b Reproduced with permission. Source: UICC TNM Classification of Malignant Tumours, 8th Edition, eds by James D. Brierley, Mary K. Gospodarowicz, Christian Wittekind. 2016, Publisher Wiley (incorporating any errata published up until 25th January 2022).

^c The five vertebral segments are the: Right pedicle, Right body, Left body, Left pedicle and Posterior element.

^d The four pelvic segments are the: Sacrum lateral to the sacral foramen, Iliac wing, Acetabulum/periacetabulum and Pelvic rami, symphysis and ischium.