

Merkel Cell Carcinoma Histopathology Reporting Guide



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.

indicates multi-select values indicates single select values

[SCOPE OF THIS DATASET](#)

SPECIMEN(S) SUBMITTED (select all that apply)

- Skin
- Lymph node(s), *specify sentinel lymph node if known/applicable*
- Other, *specify*

PROCEDURE (select all that apply)

- Not specified
- Excision (or resection)
- Biopsy, *specify type of biopsy if possible (e.g., curettage, shave, punch, elliptical)*

ANATOMIC SITE

- Not specified
 - Specify site
- ↓
If applicable also indicate
- Left
 - Right
 - Midline

MACROSCOPIC PRIMARY LESION DESCRIPTION

TUMOUR SIZE

Maximum tumour diameter (clinical measurement) mm

Maximum tumour diameter (macroscopic measurement) mm

Maximum diameter of primary tumour (microscopic measurement) mm

- Cannot be determined (e.g., no clinical information provided or submitted slide likely not representative)

EXTENT OF INVASION (select all that apply)

- Cannot be assessed
- Invasion not identified (i.e., only in situ/intra-epithelial neoplastic proliferation)
- Tumour invades dermis
- Tumour invades subcutis
- Tumour invades into skeletal muscle
- Tumour invades into bone
- Tumour invades cartilage
- Other, *specify*

TUMOUR THICKNESS

- Indeterminate
- Measured thickness mm
- OR
- mm at least

LYMPHOVASCULAR INVASION

- Not identified
- Indeterminate
- Present, *specify if immunohistochemistry is used*

TUMOUR-INFILTRATING LYMPHOCYTES

- Not identified
- Brisk
- Non-brisk

LOCOREGIONAL^a CUTANEOUS METASTASES

- Not identified
- Indeterminate
- Present

^a *Satellite or in-transit cutaneous metastasis.*

MERKEL CELL POLYOMA VIRUS (MCPV)

- Testing for MCPV not performed (or results not known)
- Testing for MCPV performed, *specify method(s) and result(s)*

MORPHOLOGICAL DIVERSITY 

- Not identified
- Present - squamous, *specify second phenotypic element*
- Present - other (non-squamous), *specify second phenotypic element*

MARGIN/TISSUE EDGES STATUS 

Peripheral margin

- Cannot be assessed
- Not involved by carcinoma
 Distance from margin <1 mm
 OR
 mm to nearest 1 mm
 Location, *specify if possible*

- Involved by carcinoma
 Location, *specify if possible*

Deep margin

- Cannot be assessed
- Not involved by carcinoma
 Distance from margin <1 mm
 OR
 mm to nearest 1 mm
 Location, *specify if possible*

- Involved by carcinoma
 Location, *specify if possible*

LYMPH NODE STATUS 

- No nodes submitted or found
- OR
- Sentinel nodes**
- Number of sentinel lymph nodes examined
 Number cannot be determined
- Number of positive sentinel lymph nodes
 Number cannot be determined
- Extranodal extension^b
 Not identified
 Present
 Indeterminate
- Maximum dimension of largest metastasis in sentinel node^b mm
- Location of largest sentinel node metastasis,^b *specify (e.g., subcapsular, parenchymal, both subcapsular and parenchymal)*

Non-sentinel lymph nodes (clinically negative)

- Number of non-sentinel lymph nodes examined
 Number cannot be determined
- Number of positive non-sentinel lymph nodes
 Number cannot be determined
- Extranodal extension^b
 Not identified
 Present
 Indeterminate
- Maximum dimension of largest metastasis in regional node^b mm

Clinically apparent lymph nodes

- Number of lymph nodes examined
 Number cannot be determined
- Number of positive lymph nodes
 Number cannot be determined
- Extranodal extension^b
 Not identified
 Present
 Indeterminate
- Maximum dimension of largest metastasis in regional node^b mm

^b Required only in the presence of positive nodes.

IMMUNOHISTOCHEMISTRY

Not performed, *explain reasons*

Performed, *specify*

PATHOLOGICAL STAGING (UICC TNM 8th edition)^c

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

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

Primary tumour (pT)

- TX Primary tumour cannot be assessed
- T0 No evidence of primary tumour
- Tis Carcinoma in situ
- T1 Tumour 2 cm or less in greatest dimension
- T2 Tumour more than 2 cm but not more than 5 cm in greatest dimension
- T3 Tumour more than 5 cm in greatest dimension
- T4 Tumour invades deep extradermal structures, i.e., cartilage, skeletal muscle, fascia or bone

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
- N2 In-transit metastasis *without* lymph node metastasis
- N3 In-transit metastasis *with* lymph node metastasis

^c *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 Blackwell.*