**Merkel Cell Carcinoma**

**Histopathology Reporting Guide**

<table>
<thead>
<tr>
<th>Family/Last name</th>
<th>Date of birth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DD - MM - YYYY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Given name(s)</th>
<th>Patient identifiers</th>
<th>Date of request</th>
<th>Accession/Laboratory number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>DD - MM - YYYY</td>
<td></td>
</tr>
</tbody>
</table>

Elements in **black text** are CORE. Elements in **grey text** are NON-CORE.

- **Family name**
- **Last name**
- **Given name(s)**
- **Patient identifiers**
- **Date of request**
- **Accession/Laboratory number**

**SCOPE OF THIS DATASET**

**SPECIMEN(S) SUBMITTED**

<table>
<thead>
<tr>
<th>Select all that apply:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
</tr>
<tr>
<td>Lymph node(s), specify sentinel lymph node if known/applicable</td>
</tr>
<tr>
<td>Other, specify</td>
</tr>
</tbody>
</table>

**PROCEDURE**

<table>
<thead>
<tr>
<th>Select all that apply:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not specified</td>
</tr>
<tr>
<td>Excision (or resection)</td>
</tr>
<tr>
<td>Biopsy, specify type of biopsy if possible (e.g., curettage, shave, punch, elliptical)</td>
</tr>
</tbody>
</table>

**ANATOMIC SITE**

<table>
<thead>
<tr>
<th>Select all that apply:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not specified</td>
</tr>
<tr>
<td>Specify site</td>
</tr>
</tbody>
</table>

- If applicable also indicate:
  - Left
  - Right
  - Midline

**MACROSCOPIC PRIMARY LESION DESCRIPTION**

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
</table>

**TUMOUR SIZE**

<table>
<thead>
<tr>
<th>Select all that apply:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cannot be determined (e.g., no clinical information provided or submitted slide likely not representative)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select all that apply:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum tumour diameter (clinical measurement)</td>
</tr>
<tr>
<td>mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select all that apply:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum tumour diameter (macroscopic measurement)</td>
</tr>
<tr>
<td>mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select all that apply:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum diameter of primary tumour (microscopic measurement)</td>
</tr>
<tr>
<td>mm</td>
</tr>
</tbody>
</table>

**EXTENT OF INVASION**

<table>
<thead>
<tr>
<th>Select all that apply:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cannot be assessed</td>
</tr>
<tr>
<td>Invasion not identified (i.e., only in situ/intra-epithelial neoplastic proliferation)</td>
</tr>
<tr>
<td>Tumour invades dermis</td>
</tr>
<tr>
<td>Tumour invades subcutis</td>
</tr>
<tr>
<td>Tumour invades into skeletal muscle</td>
</tr>
<tr>
<td>Tumour invades into bone</td>
</tr>
<tr>
<td>Tumour invades cartilage</td>
</tr>
<tr>
<td>Other, specify</td>
</tr>
</tbody>
</table>

**TUMOUR THICKNESS**

- **Select all that apply:**
  - Indeterminate
  - Measured thickness
    - mm
  - OR
    - mm at least

**LYMPHOVASCULAR INVASION**

<table>
<thead>
<tr>
<th>Select all that apply:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not identified</td>
</tr>
<tr>
<td>Indeterminate</td>
</tr>
<tr>
<td>Present, specify if immunohistochemistry is used</td>
</tr>
</tbody>
</table>

**TUMOUR-INFILTRATING LYMPHOCYTES**

- **Select all that apply:**
  - Not identified
  - Brisk
  - Non-brisk

**LOCOREGIONAL CUTANEOUS METASTASES**

- **Select all that apply:**
  - Not identified
  - Indeterminate
  - Present

**MERKEL CELL POLYOMA VIRUS (MCPV)**

- **Select all that apply:**
  - 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

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

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

\[b\] Required only in the presence of positive nodes.
**IMMUNOHISTOCHEMISTRY**

- Not performed, explain reasons

- Performed, specify

**PATHOLOGICAL STAGING (UICC TNM 8th edition)**

**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

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