Mesothelioma in the Pleura and Peritoneum
Histopathology Reporting Guide

Family/Last name

Given name(s)

Date of birth

Patient identifiers

Date of request

Accession/Laboratory number

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

**CLINICAL INFORMATION**

- **Radiological appearance**
  - Not provided

- **History of previous cancer**

- **Other, describe**

**NEOADJUVANT THERAPY**

- **Not administered**
- **Information not provided**

- **Administered, describe**

**OPERATIVE PROCEDURE**

- **Core biopsy**
- **Open biopsy**
- **VATS biopsy**
- **Decortication**
- **Radical pleurectomy**
- **Extrapleural pneumonectomy**
- **Debulking**
- **Other, specify**

**SPECIMEN(S) SUBMITTED** (select all that apply)

- **Not provided**

- **Pleura/Thoracic**
  - Diaphragm
  - Lung
  - Right
  - Wedge
  - Lobe
  - Entire Lung
  - Left
  - Wedge
  - Lobe
  - Entire Lung
  - Mediastinal fat
  - Pericardium
  - Parietal pleura
  - Contralateral pleura
  - Visceral pleura
  - Endothoracic fascia
  - Chest wall
  - Rib
  - Spine
  - Port site

**Peritoneum**

- **Peritoneum**
- **Omentum**
- **Left ovary**
- **Right ovary**
- **Left fallopian tube**
- **Right fallopian tube**
- **Uterus**
- **Other intra-abdominal organs, specify**

**Other submitted specimens**

- **Lymph nodes, specify site(s)**

- **Other submitted specimens, specify**

**TUMOUR SIZE**

**Pleural specimens**

- **MAXIMUM THICKNESS OF ANY MASS**
  - **mm**

  - **AND**
  - **Indeterminate**

- **DIMENSIONS OF DOMINANT MASS**
  - **mm x mm x mm**
  - **Indeterminate**

**Peritoneal specimens**

- **DIMENSIONS OF DOMINANT MASS**
  - **mm x mm x mm**
  - **Indeterminate**

- **DIMENSIONS OF LARGEST NODULE**
  - **mm x mm x mm**
  - **Indeterminate**
### MACROSCOPIC TUMOUR SITE
(select all that apply)

- Pleura/Thoracic
  - Diaphragm
  - Lung
    - Right
    - Left
  - Mediastinal fat
  - Pericardium
  - Parietal pleura

- Peritoneum
  - Peritoneum
  - Omentum
  - Uterus
  - Other intra-abdominal organs, specify

- Other
  - Lymph nodes
  - Other site, specify

### HISTOLOGICAL TUMOUR TYPE
- Epithelioid (Epithelial)
- Sarcomatoid (Sarcomatous)
- Biphasic (Mixed epithelial and sarcomatous)
- Malignant mesothelioma, NOS

### RESPONSE TO NEOADJUVANT THERAPY
- Cannot be assessed
- Prior treatment not known
- No prior treatment
- No response
- Positive response

### MITOTIC COUNT
(Applicable to peritoneal specimens only)

### EXTENT OF INVASION
(select all that apply)

- Parietal pleura without involvement of the ipsilateral visceral pleura
- Parietal pleura with focal involvement of the ipsilateral visceral pleura
- Endothoracic fascia (as determined by surgeon/radiologist)
- Mediastinal fat
- Localised focus of tumour invading the soft tissue of the chest wall
- Diffuse or multiple foci invading soft tissue of chest wall
- Through the pericardium or diaphragm
- Into but not through the pericardium or diaphragm
- Rib(s)
- Peritoneum through the diaphragm
- Great vessels/oesophagus/trachea or other mediastinal organ
- Extension into contralateral pleura
- Spine
- Myocardium
- Confluent visceral and parietal pleural tumour (including fissure)
- Mediastinal organ(s), specify

### LYMPH NODE STATUS
- No nodes submitted or found
- Cannot be assessed

### MARGIN STATUS
(Applicable to extrapleural pneumonectomy specimens only)

- Not applicable
- Not involved
- Involved

Specify margin(s), if possible

### COEXISTENT PATHOLOGY
- None identified
- OR specify

### OTHER, specify

- Mediastinal organ(s), specify

<table>
<thead>
<tr>
<th>Lymph node station/location or specimen identification</th>
<th>Involved</th>
<th>Not involved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unfilled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unfilled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unfilled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unfilled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unfilled</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PATHOLOGICAL STAGING (TNM 8th edition)##

PLEURAL SPECIMENS

☐ m multiple primary tumours at a single site
☐ r recurrent tumours after a disease free period
☐ y classification is performed during or following multimodality treatment

T - Primary tumour

☐ TX Primary tumour cannot be assessed
☐ T0 No evidence of primary tumour
☐ T1 Tumour involves ipsilateral parietal pleura, with or without involvement of visceral, mediastinal or diaphragmatic pleura.
☐ T2 Tumour involves the ipsilateral pleura (parietal or visceral pleura), with at least one of the following:
   • invasion of diaphragmatic muscle
   • invasion of lung parenchyma
☐ T3 Tumour involves ipsilateral pleura (parietal or visceral pleura), with at least one of the following:
   • invasion of endo-thoracic fascia
   • invasion into mediastinal fat
   • solitary focus of tumour invading soft tissues of the chest wall
   • non-transmural involvement of the pericardium
☐ T4 Tumour involves ipsilateral pleura (parietal or visceral pleura), with at least one of the following:
   • chest wall, with or without associated rib destruction (diffuse or multifocal)
   • peritoneum (via direct transdiaphragmatic extension)
   • contralateral pleura
   • mediastinal organs (oesophagus, trachea, heart, great vessels)
   • vertebra, neuroforamen, spinal cord
   • internal surface of the pericardium (transmural invasion with or without a pericardial effusion)

N - Regional lymph nodes

☐ NX Regional lymph nodes cannot be assessed
☐ N0 No regional lymph node metastasis
☐ N1 Metastases to ipsilateral intrathoracic lymph nodes (includes ipsilateral bronchopulmonary, hilar, subcarinal, paratracheal, aortopulmonary, paraesophageal, peridiaphragmatic, pericardial fat pad, intercostal and internal mammary nodes)
☐ N2 Metastases to contralateral intrathoracic lymph nodes. Metastases to ipsilateral or contralateral supraclavicular lymph nodes