

Mesothelioma in the Pleura and Peritoneum 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.

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 Not provided
 Open biopsy
 VATS biopsy
 Decortication
 Radical pleurectomy
 Extrapleural pneumonectomy
 Debulking
 Other, *specify*

SPECIMEN(S) SUBMITTED (select all that apply)

Not provided

Pleura/Thoracic

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> Diaphragm | <input type="checkbox"/> Mediastinal fat |
| <input type="checkbox"/> Lung | <input type="checkbox"/> Pericardium |
| <input type="checkbox"/> Right | <input type="checkbox"/> Parietal pleura |
| <input type="checkbox"/> Wedge | <input type="checkbox"/> Contralateral pleura |
| <input type="checkbox"/> Lobe | <input type="checkbox"/> Visceral pleura |
| <input type="checkbox"/> Entire Lung | <input type="checkbox"/> Endothoracic fascia |
| <input type="checkbox"/> Left | <input type="checkbox"/> Chest wall |
| <input type="checkbox"/> Wedge | <input type="checkbox"/> Rib |
| <input type="checkbox"/> Lobe | <input type="checkbox"/> Spine |
| <input type="checkbox"/> Entire Lung | <input type="checkbox"/> 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

OR Indeterminate

DIMENSIONS OF LARGEST NODULE

mm x mm x mm

Indeterminate

MACROSCOPIC TUMOUR SITE (select all that apply)

Indeterminate

Pleura/Thoracic

- Diaphragm
- Lung
 - Right
 - Left
- Mediastinal fat
- Pericardium
- Parietal pleura
- Contralateral pleura
- Visceral pleura
- Endothoracic fascia
- Chest wall
- Rib
- Spine
- Port site

Peritoneum

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

Other

- Lymph nodes
- Other site, *specify*

MITOTIC COUNT

(Applicable to peritoneal specimens only)

/mm²

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 \Rightarrow
 - No or minimal tumour response
 - Partial tumour response
 - Complete or near-complete response

MARGIN STATUS

(Applicable to extrapleural pneumonectomy specimens only)

- Not applicable
- Not involved
- Involved
- Cannot be assessed

Specify margin(s), if possible

COEXISTENT PATHOLOGY

None identified OR *specify*

EXTENT OF INVASION (select all that apply)

- Cannot be assessed
- No evidence of primary tumour
- 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*

Other, *specify*

LYMPH NODE STATUS

No nodes submitted or found Cannot be assessed

Lymph node station/location or specimen identification



	Involved <input type="radio"/>	Not involved <input type="radio"/>
	Involved <input type="radio"/>	Not involved <input type="radio"/>
	Involved <input type="radio"/>	Not involved <input type="radio"/>
	Involved <input type="radio"/>	Not involved <input type="radio"/>

ANCILLARY STUDIES 

- Not performed
 Performed

**Immunohistochemistry, List stains**

Other, specify)

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 endothoracic 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

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