

Invasive Melanoma 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](#)

TUMOUR SITE

Not specified

Specify

CLINICAL INTENT OF PROCEDURE

(Per information received from the clinician)

Not specified

Excisional/complete diagnostic biopsy

Incisional/incomplete (partial) diagnostic biopsy

Wide excision

SPECIMEN LATERALITY

Not specified

Left

Midline

Right

SPECIMEN(S) SUBMITTED

Not specified

Punch technique

Shave technique (superficial)

Saucerization/scoop/deep shave technique

Curette

Fusiform/elliptical/disc (full-thickness)

Other, *specify*

Lymph nodes

Not submitted

Submitted, *specify site(s)*

SPECIMEN ORIENTATION

(Per information received from the clinician on orientation of specimen by marking sutures, clips or other techniques)

Not specified

Specify, *if known*

MACROSCOPIC PRIMARY LESION DESCRIPTION

(The description of the lesion includes includes such features as shape, colour, border, contour, evidence of surface crusting or ulceration and proximity to resection margins)

MACROSCOPIC PRIMARY LESION DIMENSIONS

x x

Indeterminate *(Note: Depth is optional)*

MACROSCOPIC SATELLITE LESIONS

(Applicable to invasive tumours only)

Not identified

Indeterminate

Present

OTHER LESION(S)

Not identified

Present

Macroscopic description of other lesion(s)

SURGICAL MARGIN/TISSUE EDGES

Cannot be assessed

Not involved by melanoma in situ or invasive melanoma

Distance of melanoma in situ or invasive tumour ≤ 1 mm > 1 mm from closest margin

Specify closest

location(s), if possible

Involved by melanoma in situ

Specify location(s), if possible

Involved by invasive melanoma

Specify location(s), if possible

BRESLOW THICKNESS

(Measurement should be to the nearest 0.1 mm as per AJCC staging)

Specify

At least

Indeterminate

ULCERATION

Not identified

Indeterminate

Present



EXTENT OF ULCERATION

MITOTIC COUNT  Indeterminate**MICROSATELLITES**  Not identified
 Present Indeterminate**MICROSATELLITES: MARGINS**  Cannot be assessed
 Not involved by microsatellite
 Involved by microsatellite**CLARK LEVEL**  Confined to epidermis (Level 1)
 Infiltrates but does not fill papillary dermis (Level 2)
 Fills/expands papillary dermis (Level 3)
 Infiltrates into reticular dermis (Level 4)
 Infiltrates into subcutaneous fat (Level 5)**LYMPHOVASCULAR INVASION**  Not identified
 Present Indeterminate**TUMOUR-INFILTRATING LYMPHOCYTES**  Not identified
 Brisk
 Non brisk**TUMOUR REGRESSION**  Not identified
 Present Indeterminate**TUMOUR REGRESSION: MARGINS**  Cannot be assessed
 Not involved by regression
 Involved by regression**NEUROTROPISM**  Not identified
 Present Indeterminate**DESMOPLASTIC MELANOMA COMPONENT**  Not identified
 Present
 Pure (>90% desmoplastic melanoma)
 Mixed desmoplastic/non-desmoplastic melanoma**ASSOCIATED MELANOCYTIC LESION**  Not identified
 Present, describe**LYMPH NODES STATUS** *(Required only if lymph nodes submitted)***Sentinel nodes**

Number of sentinel nodes examined

Number of positive sentinel nodes
(i.e., clinically occult) Number cannot be determinedExtranodal extension^a Not identified
 Present
 IndeterminateMaximum dimension of largest
metastasis in sentinel node^aLocation of largest sentinel node metastases^a Subcapsular
 Intraparenchymal
 Both subcapsular and intraparenchymal**Non-sentinel lymph nodes**

Number of non-sentinel nodes examined

Number of positive non-sentinel nodes
(i.e., clinically occult) Number cannot be determinedExtranodal extension^a Not identified
 Present
 IndeterminateMaximum dimension of largest
metastasis in a non-sentinel node^a**Clinically apparent lymph nodes**

Number of non-sentinel nodes examined

Number of positive non-sentinel nodes

 Number cannot be determinedExtranodal extension^a Not identified
 Present
 IndeterminateMaximum dimension of largest
metastasis in a non-sentinel node^a^a Required only in the presence of positive nodes.

MELANOMA SUBTYPE (select all that apply) 

(Value list modified from the World Health Organization Classification of Tumours. Pathology and Genetics of Skin Tumours. (2018))

- Low-CSD melanoma (superficial spreading melanoma)
- Lentigo maligna melanoma (high-CSD melanoma)
- Desmoplastic melanoma
- Malignant Spitz tumour (Spitz melanoma)
- Acral melanoma
- Mucosal melanomas (genital, oral, sinonasal)
- Melanoma arising in blue naevus
- Melanoma arising in giant congenital naevus
- Nodular melanoma
- Naevoid melanoma
- Melanoma, not otherwise classified
- Other, specify

ANCILLARY STUDIES **BRAF testing**

- Not performed
- Performed

Record results and methodology

Other testing, specify if performed

Test	Result

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
- sn - sentinel node biopsy

Primary tumour (pT) 

- TX Primary tumour cannot be assessed^c
- T0 No evidence of primary tumour or regressed melanomas
- Tis Melanoma in situ (Clark level I)
- T1 Tumour 1 mm or less in thickness
 - T1a less than 0.8 mm in thickness without ulceration
 - T1b less than 0.8 mm in thickness with ulceration or 0.8 mm or more but no more than 1mm in thickness, with or without ulceration
- T2 Tumour more than 1 mm but not more than 2 mm in thickness
 - T2a Without ulceration
 - T2b With ulceration
- T3 Tumour more than 2 mm but not more than 4 mm in thickness
 - T3a Without ulceration
 - T3b With ulceration
- T4 Tumour more than 4 mm in thickness
 - T4a Without ulceration
 - T4b With ulceration

Regional lymph nodes (pN) 

- No nodes submitted or found
- NX Regional nodes not assessed
- N0 No regional lymph node metastases
- N1 Metastasis in one regional lymph node or intralymphatic regional metastasis without nodal metastases
 - N1a Only microscopic metastasis (clinically occult)
 - N1b Macroscopic metastasis (clinically apparent)
 - N1c Satellite or in-transit metastasis without regional nodal metastasis
- N2 Metastasis in two or three regional lymph nodes or intralymphatic regional metastasis with lymph node metastases
 - N2a Only microscopic nodal metastasis
 - N2b Macroscopic nodal metastasis
 - N2c Satellite or in-transit metastasis with only one regional nodal metastasis
- N3 Metastasis in four or more regional lymph nodes, or matted metastatic regional lymph nodes, or satellite(s) or in-transit metastasis with metastasis in two or more regional lymph node(s)
 - N3a Only microscopic nodal metastasis
 - N3b Macroscopic nodal metastasis
 - N3c Satellite or in-transit metastasis with two or more regional nodal metastasis

^c pTX includes shave biopsies and curettage that do not fully assess the thickness of the primary.

Satellites are tumour nests or nodules (macro or microscopic) within 2 cm of the primary tumour. In-transit metastasis involves skin or subcutaneous tissue more than 2 cm from the primary tumour but not beyond the regional lymph nodes.

^b Reproduced with permission. Source: Brierley JD, Gospodarowicz MK and Wittekind C (eds) (2016). UICC TNM Classification of Malignant Tumours, 8th Edition, Wiley-Blackwell.