A guide to Primary Cutaneous Melanoma Histopathology Reporting

Includes the ICCR International Collaboration on Cancer reporting dataset denoted by *

Clinical details

S1.02	**Clinical information provided on request form** (complete as narrative or use the structured format below)	Text
	*Tumour site	Not provided OR Text
	*Specimen laterality	Left Midline Right Not provided
	Clinical or differential diagnosis	Text
	*Specimen type	See p2
	If re-excision report the following:	
	Previous laboratory	Text
	Previous pathology accession number	
	Findings in previous biopsy	
	History and timing of lesional trauma, biopsy, irritation or treatment with topical agent	Text
	Past history of melanoma	Yes/No
	If yes, give details (e.g. site, thickness, timing, treatment etc)	Text
	Evidence of metastatic disease	Yes/No
	If yes, describe and consider recording serum LDH	Text
	Serum lactate dehydrogenase	___IU
	Other relevant history	Text
	Details of specimen orientation	Text
	Any clinically or dermatoscopically identified suspicious areas	Yes/No
	If yes, describe	Text
	Clinical or other relevant diagnostic imaging results	Text
	New primary melanoma or recurrence	See p2
S1.03	**Pathology accession number**	Text
S1.04	**Principal clinician caring for the patient**	Text
G1.01	Other clinical information received	Text

Macroscopic findings

G2.01	*Specimen description	Text
G2.03	*Specimen dimensions	_x_x_mm
G2.04	*Specimen orientation	Not provided OR Text
G2.05	*Macroscopic primary lesion description	Text
G2.06	*Macroscopic primary lesion dimensions *(length x width x depth; depth is optional)*	_x_x_mm OR Indeterminate

Macroscopic findings (cont.)

G2.07	*Other lesion(s)	Not identified Present
	*If yes, record macroscopic description of other lesion(s)	Text
G2.08	*Block identification key	Text
G2.09	Other comments	Text

Microscopic findings

G3.01	Microscopic description	Text
S3.01	***Breslow thickness** *(**measurement should be to a minimum of 1 decimal point and to a degree of precision as to allow accurate AJCC staging)*	Indeterminate OR ___mm** OR At least:___mm**
S3.02	***SURGICAL MARGIN/TISSUE EDGE STATUS**	
	***In situ component: Peripheral margin** *(** by melanoma in situ)*	Cannot be assessed Not involved** Involved**
	If not involved, record ..	
	***distance of melanoma in situ from closest margin**	__mm
	***locations of closest uninvolved margin if possible**	Text
	If involved, record	
	***locations of involved margins if possible**	Text
	***Invasive component: Peripheral margin** *(** by invasive melanoma)*	Cannot be assessed Not involved** Involved**
	If not involved, record ..	
	***distance of invasive melanoma from closest margin**	__mm
	***locations of closest uninvolved margin if possible**	Text
	If involved, record ..	
	***locations of involved margins if possible**	Text
	***Invasive component: Deep margin** *(** by invasive melanoma)*	Cannot be assessed Not involved** Involved**
	If not involved, record ..	
	***distance of invasive melanoma from closest margin**	__mm
	***locations of closest uninvolved margin if possible**	Text
	If involved, record	
	***locations of involved margins if possible**	Text

Microscopic findings (cont.)		
S3.03	*Ulceration If present, consider G3.02	Not identified Present Indeterminate
G3.02	*Extent of ulceration	___ mm
S3.04	*Mitotic count	___ per mm^2
S3.05	*Satellites If present, record *Satellites: margin involvement	Not identified Present Indeterminate Cannot be assessed Not involved by sat. Involved by satellite
G3.03	*Clark level	See p2
S3.06	*Lymphovascular invasion	Not identified Present Indeterminate
G3.04	*Tumour-infiltrating lymphocytes (early regression)	Not identified Brisk Non-brisk
G3.05	*Tumour regression (intermediate and late) If present record the Extent of regression and consider recording G3.06	Not identified Present Indeterminate ___mm
G3.06	*Tumour regression (intermediate and late): margins If not involved, record *Clearance from margins of excision	Cannot be assessed Not involved by reg. Involved by reg. ___mm
S3.07	*Desmoplastic melanoma component If present, record if *Pure or mixed	Not identified Present See p3
S3.08	*Neurotropism	Not identified Present Indeterminate
G3.07	*Associated melanocytic lesion If yes, describe	Not identified Present Text
G3.08	Intraepidermal melanoma growth pattern	Pagetoid Lentiginous Mixed pattern
G3.09	*Melanoma subtype	See p3
S3.09	*LYMPH NODE STATUS (If lymph nodes are not received these elements should NOT be reported.)	
	*Number of sentinel nodes examined	___
	*Number of positive sentinel nodes If >1 consider reporting G3.10	___
	*Total number of nodes examined (sentinel and non-sentinel)	___
	*Total number of positive nodes examined (sentinel and non-sentinel)	___

Microscopic findings (cont.)		
G3.10	*Sentinel lymph node metastasis: location of tumour within the lymph node	Subcapsular Intraparenchymal Both subcapsular & intraparenchymal
	*Sentinel lymph node metastasis: extranodal extension	Not identified Present Indeterminate
	*Sentinel lymph node metastasis: maximum single dimension of the largest discrete metastasis	___mm
G3.11	Additional comment	Text

Synthesis and overview		
S5.01	*PATHOLOGICAL STAGING (AJCC 7TH EDITION) *Primary tumour (T)	 See p3
S5.02	*Regional lymph nodes (N)	See p3
S5.03	Year and edition of staging system	Text
G5.01	Diagnostic summary (Include:specimen type, tumour site and laterality, tumour type, tumour pT stage, tumour pN stage, whether or not the specimen margins are involved)	Text
S5.04	Overarching comment	Text

Notes

Specimen type

- Not provided
- Re-excision
- Excision
- Punch
- Incision
- Shave
- Curette
- Other (specify)

New primary melanoma or recurrence

- New primary
- Recurrence – local
- Recurrence – intransit metastasis (between primary site and regional node field)
- Recurrence – regional
- Recurrence – distant
- Not stated

G3.03 Clark level

- Confined to epidermis (I)
- Infiltrates but does not fill papillary dermis (II)
- Fills/expands papillary dermis (III)
- Infiltrates into reticular dermis (IV)
- Infiltrates into subcutaneous fat (V)

S3.07 Desmoplastic melanoma component

- Pure desmoplastic melanoma (>90% desmoplastic features)
- Mixed (mixed desmoplastic / non-desmoplastic melanoma)

G3.09 Melanoma subtype

Choose all that apply

- Superficial spreading melanoma
- Nodular melanoma
- Lentigo maligna melanoma
- Acral-lentiginous melanoma
- Desmoplastic melanoma
- Melanoma arising from blue naevus
- Melanoma arising in giant congenital naevus
- Melanoma of childhood
- Naevoid melanoma
- Persistent melanoma
- Melanoma, not otherwise classified
- Other (specify)

Pathological Staging (AJCC 7th Ed.)##

T classification

TX Primary tumour cannot be assessed
T0 No evidence of primary tumour
Tis Melanoma in situ
T1 Melanomas ≤1.0 mm in thickness
T1a Without ulceration and mitosis <1/mm2
T1b With ulceration or mitoses ≥ 1/mm2
T2 Melanomas 1.01–2.0 mm
T2a without ulceration
T2b with ulceration
T3 Melanomas 2.01–4.0 mm
T3a without ulceration
T3b with ulceration
T4 Melanomas >4.0 mm
T4a without ulceration
T4b with ulceration

N classification

No nodes submitted or found
OR

NX Regional lymph nodes cannot be assessed
N0 No regional lymph node metastasis
N1 1 node
N1a micrometastasis*
N1b macrometastasis**
N2 2–3 nodes
N2a micrometastasis*
N2b macrometastasis**
N2c in transit met(s)/satellite(s) without metastatic nodes
N3 4 or more metastatic nodes, or matted nodes, or in transit met(s)/satellite(s) with metastatic node(s)

* Micrometastases are diagnosed after sentinel lymph node biopsy and completion lymphadenectomy (if performed).

** Macrometastases are defined as clinically detectable nodal metastases confirmed by therapeutic lymphadenectomy or when nodal metastasis exhibits gross extracapsular extension.