

# A guide to Oral Cancer Histopathology Reporting



Clinical details		Macroscopic findings (cont.)	
<a href="#">S1.02</a>	Pathology accession number	Text	
<a href="#">S1.03</a>	Principal clinician	Text	
<a href="#">S1.04</a>	Anatomical site	Text	
<a href="#">S1.05</a>	Laterality of the lesion	Left Right Not stated	
<a href="#">S1.06</a>	Clinical history	Text Not stated	
<a href="#">G1.03</a>	Human papilloma virus (HPV) status	Text	
<a href="#">G1.04</a>	Clinical or differential diagnosis	Text	
<a href="#">S1.07</a>	New primary cancer or recurrence	New primary Recurrence-distant Recurrence-regional Not stated	
<a href="#">S1.08</a>	Pre-operative or prior radiotherapy administered	None administ. Yes Not stated	
<a href="#">S1.09</a>	Type of operation	See p2	
	Nodal levels included	See p2	
<a href="#">S1.10</a>	Any involvement of adjacent structures	Text Not stated	
<a href="#">S1.11</a>	Distant metastases	No Yes Not stated	
Macroscopic findings			
<a href="#">S2.02</a>	<b>SPECIMEN DESCRIPTION</b>		
	<b>Description</b>	Text	
	<b>Measurements</b>	_x_x_mm	
	<b>For each of mucosa, teeth, bone, soft tissue, salivary gland, record if received</b>	Not received Received	
	<b>If received, record:</b>		
	<b>Description</b>	Text	
	<b>Measurements</b>	_x_x_ mm or number of teeth	
<a href="#">S2.03</a>	<b>Description of lesion</b>		
	<b>Size</b>	_x_x_mm	
	<b>Site</b>	Text	
	<b>Appearance</b>	Text	
<a href="#">S2.04</a>	<b>Macroscopic depth of invasion</b>	___mm	
<a href="#">S2.05</a>	<b>For each surgical margins specify distance to lesion</b>	___mm	
<a href="#">S2.06</a>	<b>Involvement of adjacent structures</b>	Absent Present	
	<b>If present, indicate site</b>	Bone/part bone Sublingual gland Submandibular gl Nose Sinus	
<a href="#">G2.04</a>	Teeth – FDI designation	Text	
<a href="#">G2.05</a>	Teeth mobility	Text	
	Peridontal ligament involvement	Absent Present	
	Root resorption	Absent Present	
<a href="#">S2.07</a>	<b>Neck dissection</b>	Absent Present	
	<b>If present, record:</b>		
	<b>Type</b>	See p2 S1.09	
	<b>Description</b> (eg any anatomical structures)	Text	
	<b>Laterality</b>	Left Right	
	<b>Dimensions</b>	_x_x_mm	
<a href="#">S2.08</a>	<b>Number &amp; level of lymph nodes</b> (Refer to Nodal levels p2)	Specify number	
<a href="#">G2.06</a>	Distant metastases	Absent Present	
	<b>If present, record site(s)</b>	Text	
<a href="#">G2.07</a>	Other macroscopic comment	Text	
Microscopic findings			
<a href="#">S3.01</a>	<b>Tumour type and subtype</b>	See p2	
<a href="#">S3.02</a>	<b>Histological grade</b>	Text	
<a href="#">S3.03</a>	<b>Tumour site</b>	Text	
<a href="#">S3.04</a>	<b>Tumour size</b>	__x__mm	
<a href="#">S3.05</a>	<b>Depth of invasion</b>	___mm	
<a href="#">S3.06</a>	<b>Growth pattern of invasion</b>	See-p2	
<a href="#">S3.07</a>	<b>Lymphovascular invasion</b>	Not identified Present	
<a href="#">S3.08</a>	<b>Perineural invasion at tumour front</b>	Not identified Present	
	<b>If present, record size of nerves involved</b>	Small <1mm diam Large >1mm diam	
<a href="#">G3.01</a>	Sialadenotropism	Absent Present	
	Ductal invasion	Absent Present	
<a href="#">S3.09</a>	<b>Bone invasion</b>	Absent Present	
	<b>If present, record pattern of infiltrative front</b>	Infiltrative Erosive	
<a href="#">G3.02</a>	Involvement of salivary gland	Not involved Involved	
<a href="#">G3.03</a>	Involvement of adjacent structures	Absent Present	
	<b>If present, indicate site:</b>	See p2	
<a href="#">S3.10</a>	<b>For each margin, specify:</b>	Not involved involved	
	<b>If not involved, state distance to tumour</b>	___mm	
<a href="#">S3.11</a>	<b>Severe dysplasia at margin</b>	Absent Present	
	<b>If present, state which margin(s)</b>	Text	
<a href="#">S3.12</a>	<b>Lymph nodes. For each level received (refer p2) state:</b>	No. of nodes No. positive nodes	
	<b>Largest metastatic deposit:</b>		
	<b>Location</b>	Text	
	<b>Dimensions</b>	_x_x_mm	

## Microscopic findings (cont.)

<b>Extra-capsular spread</b>	Absent Present
<b>If present, record:</b>	
<b>Type</b>	Early (microscopic) Established Gross
<b>Distance of invasion from nodal capsule</b>	___mm
<b>Structures involved</b>	Text
<b>Permeation of perinodal lymphatics</b>	Absent Present
<b>Dist. to perinodal surg. margin</b>	___mm

[G3.04](#) Other microscopic comment Text

## Ancillary test findings

<a href="#">S4.01</a> <b>For immunohistochemical stains, record</b>	Performed Not performed
<b>If performed, record</b>	Each antibody Result Interpretation Clin. significance

<a href="#">S4.02</a> <b>For in-situ hybridisation, record</b>	Performed Not performed
<b>If performed, record</b>	Performing lab Result Conclusion Reporting person

[S4.03](#) **For cytogenetic tests, record** As for S4.02

## Synthesis and overview

[S5.01](#) **Tumour stage & grouping** See p2

[S5.02](#) **Year of publication & edition of cancer staging system** Text

[G5.01](#) Diagnostic summary See p2

[G5.02](#) Overarching comment Text

## Nodal Levels

- submental (level IA)
- submandibular (level IB)
- upper jugular (level IIA)
- upper jugular (level IIB)
- middle jugular (level III)
- lower jugular (level IV)
- posterior triangle (level VA)
- posterior triangle (level VB)

## S3.06 Growth pattern of invasion

Cohesive OR Noncohesive

If cohesive, record presentation of cohesive cells\*\*

- Broad bulbous islands of cells
- Strands of cells (>15 cells across)

If non-cohesive record the presentation of noncohesive cells\*\*

- Narrow strands or small islands of infiltrating cells
- Single infiltrating keratinocytes **\*\*Select all that apply**

## G3.03 Adjacent structures

(Select all that apply)

- Floor of mouth
- Skin of face ie chin or nose
- Encases internal carotid artery
- Deep muscle of tongue (genioglossus, hyoglossus, palatoglossus, and styloglossus)
- Cortical bone
- Maxillary sinus
- Pterygoid plates
- Internal jugular vein
- Sternocleidomastoid muscle

## G5.01 Diagnostic summary

**Include:** Type of operation (S1.08); Anatomical site (S1.04); Tumour type (S3.01); Histo. grade (S3.02); Depth of invasion (S3.05); LVI (S3.07); Perineural invasion (S3.08); Involved/close margins with measurements (S3.10); Severe dysplasia (S3.11); Type of neck dissection (if present) (S2.07); Presence/absence of metastatic tumour in lymph nodes and level of involved nodes (S3.12); Presence/absence of extra-capsular spread of tumour (S3.12); Tumour stage (S5.01)

## S1.09 Type of operation

- incisional biopsy
- excisional biopsy
- hemi-glossectomy
- partial glossectomy
- hemi-mandibulectomy
- segmental mandibulectomy
- partial / hemi-maxillectomy
- total maxillectomy
- wedge resection of lip
- NECK DISSECTIONS
- selective
- modified radical
- radical
- extended radical

## S3.01 Tumour type

Tumour type

- Squamous cell carcinoma (conventional)
- Other (specify)

Tumour subtypes

- Conventional
- Verrucous carcinoma
- Basaloid SCC
- Papillary SCC
- Spindle cell carcinoma
- Acantholytic SCC
- Adenosquamous carcinoma
- Carcinoma cuniculatum
- Undifferentiated (no/limited diff.)
- Other (specify)

## S5.01 Stage & stage group##

### Primary Tumour (T)

- 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 4 cm in greatest dimension  
T3 Tumour more than 4 cm in greatest dimension  
T4a Moderately advanced local disease. (lip) Tumour invades through cortical bone, inferior alveolar nerve, floor of mouth, or skin of face, i.e., chin or nose (oral cavity) Tumour invades adjacent structures only (e.g., through cortical bone, [mandible or maxilla] into deep [extrinsic] muscle of tongue [genioglossus, hyoglossus, palatoglossus, and styloglossus], maxillary sinus, skin of face)  
T4b Very advanced local disease. Tumour invades masticator space, pterygoid plates, or skull base and/or encases internal carotid artery

### Regional Lymph Nodes (N)

- NX Regional lymph nodes cannot be assessed  
N0 No regional lymph node metastasis  
N1 Metastasis in a single ipsilateral lymph node, 3 cm or less in greatest dimension  
N2 Metastasis in a single ipsilateral lymph node, more than 3 cm but not more than 6 cm in greatest dimension; or in multiple ipsilateral lymph nodes, none more than 6 cm in greatest dimension; or in bilateral or contralateral lymph nodes, none more than 6 cm in greatest dimension  
N2a Metastasis in single ipsilateral lymph node more than 3 cm but not more than 6 cm in greatest dimension  
N2b Metastasis in multiple ipsilateral lymph nodes, none more than 6 cm in greatest dimension  
N2c Metastasis in bilateral or contralateral lymph nodes, none more than 6 cm in greatest dimension  
N3 Metastasis in a lymph node more than 6 cm in greatest dimension

### Distant Metastasis (M)

- M0 No distant metastasis  
M1 Distant metastasis

### Anatomic Stage/Prognostic Groups

Stage	Tis	N0	M0	Stage IVA	T4a	N0	M0
Stage I	T1	N0	M0	T4a	N1	M0	
Stage II	T2	N0	M0	T1	N2	M0	
Stage III	T3	N0	M0	T2	N2	M0	
	T1	N1	M0	T3	N2	M0	
	T2	N1	M0	T4a	N2	M0	
	T3	N1	M0	Stage IVB	Any T	N3	M0
				T4b	Any N	M0	
				Stage IVC	Any T	Any N	M1

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