

A guide to Carcinomas of the Nasopharynx and Oropharynx Histopathology Reporting



Includes the  International Collaboration on Cancer reporting dataset denoted by *

Clinical details		Microscopic findings			
S1.02	Clinical information on request form	Not provided OR Text OR Structured entry as below:	S3.01 * Histological tumour type See p2		
	* Neoadjuvant therapy	See p2	S3.02 * Histologic grade See p2		
	* Operative procedure	See p2	G3.01 * Depth of invasion ___mm OR Not applicable Cannot be assessed, <i>specify</i>		
	* Specimen submitted	See p2	S3.03 Tumour size (greatest surface dimensions) ___x___mm Notes: length x width		
	Anatomical site of lesion	Text	S3.04 Tumour site See p2		
	Laterality of lesion	Left Right	S3.05 * Perineural invasion See p2		
	Clinical history	Text	S3.06 * Lymphovascular invasion See p2		
	Human papilloma virus (HPV) status	Text	S3.07 * MARGIN STATUS		
	Clinical diagnosis or differential diagnosis	Text	* Invasive carcinoma Involved Not involved Only applicable for large excision specimens.		
	New primary lesion or recurrence	New primary Recurrence – regional, <i>describe</i> Recurrence – distant, <i>describe</i>	* Distance of tumour from closest margin ___mm OR Distance not assessable		
G1.01	Copy To doctors recorded	Text	* Margins involved Text		
S1.03	Pathology accession number	Alpha-numeric	* Carcinoma in situ/high grade dysplasia** Not involved Involved Not applicable		
S1.04	Principal clinician	Text	* Distance of tumour from closest margin ___mm OR Distance not assessable		
G1.02	Comments	Text	* Closest margin Text		
Macroscopic findings			* Margin(s) involved Text		
S2.01	Specimen labelled as	Text	G3.02 * Coexistent pathology See p3		
G2.01	Specimen dimensions Notes: Record measurements for each specimen submitted	___x___x___mm	G3.03 Radiation induced tissue damage Not identified Identified, <i>specify</i> Can't be assess'd, <i>specify</i> *If identified, specify a description of induced damage, if possible *If cannot be assessed, specify a reason, if possible		
G2.02	Mucosal surface abnormalities/lesion(s)	Not identified Present, <i>describe and measure</i>	G3.04 Additional microscopic comment Text		
S2.02	* Tumour site	See p2	Ancillary test findings		
S2.03	* Maximum dimension of largest tumour	Cannot be assessed, <i>specify</i> OR ___mm	G4.01 * Ancillary studies See p3	Synthesis and overview	
G2.03	Additional dimensions of largest tumour	___x___mm	S5.01 PATHOLOGICAL STAGING (AJCC 8TH EDITION) See p3		
G2.04	Tumour description	Exophytic Endophytic Ulcerated Polypoid Nodular	S5.02 Year And Edition Of Staging System Text		
S2.04	Macroscopic depth of invasion	___mm	G5.01 Diagnostic summary Text Include: a. Specimen(s) submitted b. Tumour type c. Tumour grade d. Tumour stage		
S2.05	Surgical margins The margin and distance to lesion will need to be repeated for each surgical margin including the closest deep and circumferential margin.	Text AND (dist. to lesion):_mm	S5.03 Overarching Comment Text		
S2.06	Block identification key	Text	G5.02 Edition/version of RCPA protocol Text		
G2.05	Additional macroscopic comments	Text			

S1.02 Neoadjuvant Therapy

- Information not provided
- Not administered
- Administered, *specify type (select all that apply)*
 - ◊ Chemotherapy
 - ◊ Radiotherapy
 - ◊ Chemoradiotherapy
 - ◊ Targeted therapy, *specify if available*
 - ◊ Immunotherapy, *specify if available*
 - ◊ Time interval since therapy, *specify*

Operative procedure

Select all that apply:

- Resection, *specify*
 - ◊ Transoral laser microsurgical resection
 - ◊ Transoral robotic surgical resection
- Other, *specify*
- Biopsy (excisional, incisional), *specify*
- Neck (lymph node) dissection*, *specify*
- Other, *specify*

Note: * If a neck dissection is submitted, then a separate protocol is used to record the information.

Specimen Submitted

Select all that apply:

- Oropharynx
 - Palatine tonsil
 - Base of tongue/lingual tonsil
 - Soft palate
 - Uvula
 - Pharyngeal wall (posterior)
 - Pharyngeal wall (lateral)
 - Other, *specify*
- Nasopharynx, *specify if necessary*
- Other, *specify*

S2.02 Tumour Site

Cannot be assessed

OR

Select all that apply:

- Oropharynx
 - ◊ Left
 - ◊ Right
 - ◊ Midline
 - ◊ Laterality not specified
 - ◊ Palatine tonsil
 - ◊ Base of tongue/lingual tonsil
 - ◊ Soft palate
 - ◊ Uvula
 - ◊ Pharyngeal wall (posterior)
 - ◊ Pharyngeal wall (lateral)
 - ◊ Other, *specify*
- Nasopharynx
 - ◊ Left
 - ◊ Right
 - ◊ Midline
 - ◊ Laterality not specified
 - ◊ Nasopharyngeal tonsils (adenoids)
 - ◊ Fossa of Rosenmüller
 - ◊ Lateral wall
 - ◊ Other, *specify*
- Other, *specify including laterality*

S3.01 Histological Tumour Type

Cannot be assessed, *specify*

OR

Select all that apply:

Carcinomas of the oropharynx

- Squamous cell carcinoma, conventional
 - ◊ Keratinizing
 - ◊ Nonkeratinizing
 - ◊ Nonkeratinizing with maturation ("partially keratinizing")
- Acantholytic squamous cell carcinoma
- Adenosquamous carcinoma
- Basaloid squamous cell carcinoma
- Papillary squamous cell carcinoma
- Spindle cell carcinoma
- Verrucous carcinoma
- Lymphoepithelial carcinoma
- Salivary gland tumours, *specify type*
- Haematolymphoid tumours

Carcinomas of the nasopharynx

- Nonkeratinizing squamous cell carcinoma
 - ◊ Differentiated
 - ◊ Undifferentiated (lymphoepithelial)
- Keratinizing squamous cell carcinoma
- Basaloid squamous cell carcinoma
- Nasopharyngeal papillary adenocarcinoma
- Salivary gland tumours, *specify type*
- Neuroendocrine tumour, *specify type*
- Other, *specify*

S3.02 Histological Grade

- Not applicable
- GX: Cannot be assessed, *specify*
- G1: Well differentiated
- G2: Moderately differentiated
- G3: Poorly differentiated
- Other, *specify*

Note: Only applicable for conventional, EBV negative nasopharyngeal carcinomas, and HPV negative oropharyngeal carcinomas.

S3.04 Tumour Site

- Base of tongue
- Tonsils
- Soft palate
- Posterior wall
- Uvula
- Other, *specify*
- Cannot be assessed, *specify*

S3.05 Perineural Invasion

- Cannot be assessed, *specify*
- Not identified
- Present

S3.06 Lymphovascular Invasion

- Cannot be assessed, *specify*
- Not identified
- Present

G3.02 Coexistent Pathology

None identified

OR

Select all that apply:

- Dysplasia[^]
 - ◊ Mild
 - ◊ Moderate
 - ◊ Severe
 - » Focal
 - » Multifocal
 - » Discontinuous with the primary site
- Carcinoma in situ
 - ◊ Focal
 - ◊ Multifocal
 - ◊ Discontinuous with the primary site
- Other, *specify*

Notes: [^]Applicable for oropharyngeal surface mucosal disease only; not for tonsillar crypt epithelium.

G4.01 Ancillary studies

Viral testing/Viral tumour markers

OROPHARYNX

- Not performed/unknown
- Performed
 - **p16 IHC**
 - Positive
 - >70% nuclear and cytoplasmic staining of at least moderate to strong intensity
 - Other criterion used, *specify*
 - Negative

AND

Criteria used to determine p16 IHC results, *specify*

- **High risk HPV specific testing**
 - **DNA PCR**
 - Not identified
 - Present
 - **DNA ISH**
 - Not identified
 - Present
 - **E6/E7 mRNA ISH**
 - Not identified
 - Present
 - **E6/E7 mRNA RT-PCR**
 - Not identified
 - Present

Viral testing/Viral tumour markers

NASOPHARYNX:

- Not performed/unknown
- Performed
 - EBV (EBER) ISH – Positive
 - EBV (EBER) ISH – Negative

Other ancillary studies

Single selection value list:

- Not performed
- Performed, *specify*

S5.01 Pathological staging

(AJCC 8th Edition)^{##}

TNM descriptors

m - multiple primary tumours; y - post therapy; r - recurrent

p16 Positive oropharynx

- T0 No primary identified
- T1 Tumour 2 cm or smaller in greatest dimension
- T2 Tumour larger than 2 cm but not larger than 4 cm in greatest dimension
- T3 Tumour larger than 4 cm in greatest dimension or extension to lingual surface of epiglottis
- T4 Moderately advanced local disease
Tumour invades the larynx, extrinsic muscle of tongue, medial pterygoid, hard palate, or mandible or beyond*
*Mucosal extension to lingual surface of epiglottis from primary tumours of the base of the tongue and vallecula does not constitute invasion of the larynx.

p16 Negative oropharynx

- TX Primary tumour cannot be assessed
- Tis Carcinoma *in situ*
- T1 Tumour 2 cm or smaller in greatest dimension
- T2 Tumour larger than 2 cm but not larger than 4 cm in greatest dimension
- T3 Tumour larger than 4 cm in greatest dimension or extension to lingual surface of epiglottis

Nasopharynx

- TX Primary tumour cannot be assessed
- T0 No tumour identified. but EBV-positive cervical node(s) involvement
- T1 Tumour confined to nasopharynx, or extension to oropharynx and/or nasal cavity without parapharyngeal involvement
- T2 Tumour with extension to parapharyngeal space, and/or adjacent soft tissue involvement (medial pterygoid, lateral pterygoid, prevertebral muscles)
- T3 Tumour with infiltration of bony structures at skull base, cervical vertebra, pterygoid structures, and/or paranasal sinuses
- T4 Tumour with intracranial extension, involvement of cranial nerves, hypopharynx, orbit, parotid gland and/ or extensive soft tissue infiltration beyond the lateral surface of the lateral pterygoid muscle

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