Clinical information

*S1.02*  Not provided  OR

**Neoadjuvant therapy**
- Information not provided
- Not administered
- Administered, specify type (select all that apply)
  - Chemotherapy
  - Radiotherapy
  - Targeted therapy, 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

*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
Anatomical site of lesion

Laterality of the lesion
- Left  - Right

Clinical history

Human papilloma virus (HPV) status

Clinical diagnosis or differential diagnosis

New primary lesion or recurrence
- New primary
- Recurrence - regional, describe
- Recurrence - distant, describe

Macroscopic findings

S2.01 SPECIMEN LABELLED AS

S2.02 *TUMOUR SITE (select all that apply)
- Cannot be assessed
- 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

G2.01 SPECIMEN DIMENSIONS

G2.02 MUCOSAL SURFACE ABNORMALITIES/LESION(S)
- Not identified
- Present, describe and measure

S2.03 *MAXIMUM DIMENSION OF LARGEST TUMOUR

G2.03 ADDITIONAL DIMENSIONS OF LARGEST TUMOUR

G2.04 TUMOUR DESCRIPTION (select all that apply)
- Exophytic
- Polypoid
- Endophytic
- Nodular
- Ulcerated

S2.04 MACROSCOPIC DEPTH OF INVASION

mm

Cannot be assessed, specify

mm x mm
### Microscopic findings

#### S3.01 *HISTOLOGICAL TUMOUR TYPE*
*(Value list from the World Health Organization Classification of Head and Neck Tumours (2017))*

- **Salivary gland carcinoma, specify type**
- **Neuroendocrine carcinoma, specify type**
- **Other, specify type**

**Carcinomas of the oropharynx**
- Squamous cell carcinoma, conventional
  - Keratinizing
  - Nonkeratinizing
- Acantholytic squamous cell carcinoma
- Adenosquamous carcinoma
- Basaloid squamous cell carcinoma
- Papillary squamous cell carcinoma
- Spindle cell carcinoma
- Verrucous carcinoma
- Lymphoepithelial carcinoma

**Carcinomas of the nasopharynx**
- Nonkeratinizing squamous cell carcinoma
  - Differentiated
  - Undifferentiated (lymphoepithelial)
- Keratinizing squamous cell carcinoma
- Basaloid squamous cell carcinoma
- Nasopharyngeal papillary adenocarcinoma
- Cannot be assessed, specify

#### S3.04 TUMOUR SITE
- Base of tongue
- Tonsils
- Soft palate
- Posterior wall
- Ulvula
- Other, specify

**S3.05 *PERINEURAL INVASION*** *(Not applicable for nasopharynx)*
- Not identified
- Present

**S3.06 *LYMPHOVASCULAR INVASION*** *(Not applicable for nasopharynx)*
- Not identified
- Present

#### S3.02 *HISTOLOGICAL GRADE*
- Not applicable
- GX: Cannot be assessed
- G1: Well differentiated
- G2: Moderately differentiated
- G3: Poorly differentiated
- Other, specify

#### S3.03 TUMOUR SIZE *(greatest surface dimensions)*

(length mm) × (width mm)

#### S3.01 *HISTOLOGICAL TUMOUR TYPE*
*(Value list from the World Health Organization Classification of Head and Neck Tumours (2017))*

- Salivary gland carcinoma, specify type
- Neuroendocrine carcinoma, specify type
- Other, specify type

**Carcinomas of the oropharynx**
- Squamous cell carcinoma, conventional
  - Keratinizing
  - Nonkeratinizing
- Acantholytic squamous cell carcinoma
- Adenosquamous carcinoma
- Basaloid squamous cell carcinoma
- Papillary squamous cell carcinoma
- Spindle cell carcinoma
- Verrucous carcinoma
- Lymphoepithelial carcinoma

**Carcinomas of the nasopharynx**
- Nonkeratinizing squamous cell carcinoma
  - Differentiated
  - Undifferentiated (lymphoepithelial)
- Keratinizing squamous cell carcinoma
- Basaloid squamous cell carcinoma
- Nasopharyngeal papillary adenocarcinoma
- Cannot be assessed, specify

#### S3.02 *HISTOLOGICAL GRADE*
- Not applicable
- GX: Cannot be assessed
- G1: Well differentiated
- G2: Moderately differentiated
- G3: Poorly differentiated
- Other, specify

#### S3.03 TUMOUR SIZE *(greatest surface dimensions)*

(length mm) × (width mm)

#### S3.01 *HISTOLOGICAL TUMOUR TYPE*
*(Value list from the World Health Organization Classification of Head and Neck Tumours (2017))*

- Salivary gland carcinoma, specify type
- Neuroendocrine carcinoma, specify type
- Other, specify type

**Carcinomas of the oropharynx**
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**Carcinomas of the nasopharynx**
- Nonkeratinizing squamous cell carcinoma
  - Differentiated
  - Undifferentiated (lymphoepithelial)
- Keratinizing squamous cell carcinoma
- Basaloid squamous cell carcinoma
- Nasopharyngeal papillary adenocarcinoma
- Cannot be assessed, specify
G2.03 RADIATION INDUCED TISSUE DAMAGE
- Not identified
- Identified, specify (describe induced damage, if possible)
- Cannot be assessed, specify (describe reason, if possible)

G3.04 ADDITIONAL MICROSCOPIC COMMENT

Ancillary findings

G4.01 *ANCILLARY STUDIES

Viral testing/Viral tumour markers
- OROPHARYNX
  - Not performed/unknown
  - Performed (select all that apply)
    - p16 immunohistochemistry
      - Positive
        - >70% nuclear and cytoplasmic staining of at least moderate to strong intensity
        - Other criterion used, specify
      - Negative
    - Criteria used to determine results, specify
  - High risk HPV specific testing
    - DNA PCR
      - Not identified
      - Present
    - DNA in situ hybridization
      - Not identified
      - Present
    - E6/E7 mRNA in situ hybridization
      - Not identified
      - Present
    - E6/E7 mRNA RTPCR
      - Not identified
      - Present

Viral testing/Viral tumour markers
- NASOPHARYNX
  - Not performed/unknown
  - Performed
    - EBV (EBER) in situ hybridization - Positive
    - EBV (EBER) in situ hybridization - Negative

Other ancillary studies
- Not performed
- Performed, specify
Synthesis and overview

S5.01 *PATHOLOGICAL STAGING (AJCC TNM 8th edition)**

### TNM Descriptors (only if applicable) (select all that apply)
- m - multiple primary tumours
- r - recurrent
- y - post-therapy

### Primary tumour (pT)****

**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 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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