Carcinomas of the Larynx, Hypopharynx and Trachea Histopathology Reporting Proforma

Includes the International Collaboration on Cancer reporting dataset denoted by *

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
  - Immunotherapy, specify if available
  - Time interval since therapy, specify

New primary lesion or recurrence

- New primary
- Recurrence - regional, describe
- Recurrence - distant, describe

* Operative procedure Text OR (select all that apply)

- Biopsy (excisional, incisional), specify
- Resection, specify
- Neck (lymph node) dissection*, specify
- Other, specify

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

S1.04 PRINCIPAL CLINICIAN

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**Macroscopic findings**

**S2.01 SPECIMEN LABELLED AS**

**S2.02 OPERATIVE PROCEDURE**

- Not specified
- Biopsy (excisional, incisional), specify
- Resection, specify
- Neck (lymph node) dissection*, specify
- Other, specify

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

**S2.03 SPECIMENS SUBMITTED** (select all that apply)

- Not specified
- Trachea
- Hypopharynx
  - Laryngopharyngectomy
  - Other, specify
- Larynx
  - Transoral laser excision
  - Total laryngectomy
  - Other, specify

**S2.04 SPECIMEN DIMENSIONS** Record for each specimen submitted

- mm x mm x mm

**S2.06 TUMOUR SITE** (select all that apply)

- Cannot be assessed
- No macroscopically visible tumour
- Trachea
  - Left
  - Right
  - Midline
  - Laterality not specified
- Hypopharynx
  - Left
  - Right
  - Midline
  - Laterality not specified
  - Piriform sinus
  - Postcricoid
  - Pharyngeal wall (posterior and/or lateral)
  - Other, specify
- Larynx, supraglottis
  - Left
  - Right
  - Midline
  - Laterality not specified
  - Epiglottis
    - Lingual aspect
    - Laryngeal aspect
    - Aryepiglottic fold
    - Arytenoid
    - False vocal cord/fold
    - Ventricle
- Larynx, glottis
  - Left
  - Right
  - Midline
  - Laterality not specified
  - True vocal cord/fold
  - Anterior commissure
  - Posterior commissure
- Larynx, subglottis
  - Left
  - Right
  - Midline
  - Laterality not specified
- Other, specify including laterality

**S2.06 TUMOUR FOCALITY**

- Unifocal
- Bilateral
- Multifocal, specify number of tumours in specimen

**S2.07 MAXIMUM DIMENSION OF LARGEST TUMOUR**

- mm

*Cannot be assessed, specify*
<table>
<thead>
<tr>
<th>Microscopic findings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>S3.01</strong> <strong>HISTOLOGICAL TUMOUR TYPE</strong> (select all that apply)</td>
</tr>
<tr>
<td>(Value list from the World Health Organization Classification of Head and Neck Tumours (2017))</td>
</tr>
<tr>
<td>□ Squamous cell carcinoma, conventional type</td>
</tr>
<tr>
<td>□ Squamous cell carcinoma, variant types</td>
</tr>
<tr>
<td>□ Adenosquamous carcinoma</td>
</tr>
<tr>
<td>□ Basaloid squamous cell carcinoma</td>
</tr>
<tr>
<td>□ Papillary squamous cell carcinoma</td>
</tr>
<tr>
<td>□ Spindle cell squamous cell carcinoma</td>
</tr>
<tr>
<td>□ Verrucous squamous cell carcinoma</td>
</tr>
<tr>
<td>□ Lymphoepithelial carcinoma</td>
</tr>
<tr>
<td>□ Neuroendocrine carcinoma</td>
</tr>
<tr>
<td>□ Well differentiated neuroendocrine carcinoma</td>
</tr>
<tr>
<td>□ Moderately differentiated neuroendocrine carcinoma</td>
</tr>
<tr>
<td>□ Poorly differentiated neuroendocrine carcinoma</td>
</tr>
<tr>
<td>□ Small cell neuroendocrine carcinoma</td>
</tr>
<tr>
<td>□ Large cell neuroendocrine carcinoma</td>
</tr>
<tr>
<td>□ Combined (or composite) neuroendocrine carcinoma, with squamous or adenosquamous component</td>
</tr>
<tr>
<td>□ Carcinomas of minor salivary glands</td>
</tr>
<tr>
<td>□ Adenoid cystic carcinoma, <em>specify grade</em></td>
</tr>
<tr>
<td>□ Mucoepidermoid carcinoma, <em>specify grade</em></td>
</tr>
<tr>
<td>□ Other, <em>specify</em></td>
</tr>
</tbody>
</table>

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

| **S3.03** **EXTENT OF INVASION** (select all that apply) |
| **Larynx** |
| □ Not identified |
| □ Involves mucosa |
| □ Involves paraglottic space |
| □ Involves pre-epiglottic space |
| □ Partial thickness invasion of cartilage |
| □ Full thickness invasion of cartilage |
| □ Tumour thickness |

| **Tissue layers involved, specify** |

| **Hypopharynx** |
| □ Tissue layers involved, *specify* |
### G3.02 *COEXISTENT PATHOLOGY (select all that apply)*

- None identified
- Necrotizing sialometaplasia
- Infection, specify
- Dysplasia, specify type and grade
- Other, specify
- Cannot be assessed, specify

### G3.04 ADDITIONAL MICROSCOPIC COMMENT

**Ancillary findings**

### G4.01 *ANCILLARY STUDIES*

- Not performed
- Performed, specify

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**High-grade dysplasia is synonymous with moderate/severe dysplasia.**
### Synthesis and overview

#### S5.01 *PATHOLOGICAL STAGING* (AJCC 8th Edition)##

<table>
<thead>
<tr>
<th><strong>TNM Descriptors</strong></th>
<th>(only if applicable) (select all that apply)</th>
</tr>
</thead>
<tbody>
<tr>
<td>m</td>
<td>multiple primary tumours</td>
</tr>
<tr>
<td>r</td>
<td>recurrent</td>
</tr>
<tr>
<td>y</td>
<td>post-therapy</td>
</tr>
</tbody>
</table>

#### Supraglottis

- **TX** Primary tumour cannot be assessed
- **Tis** Carcinoma in situ
- **T1** Tumour limited to one subsite of supraglottis with normal vocal cord mobility
- **T2** Tumour invades mucosa of more than one adjacent subsite of supraglottis or glottis or region outside the supraglottis (e.g. mucosa of base of tongue, vallecula, medial wall of pyriform sinus) without fixation of the larynx
- **T3** Tumour limited to larynx with vocal cord fixation and/or invades any of the following: postcricoid area, pre-epiglottic space, paraglottic space, and/or inner cortex of thyroid cartilage
- **T4** Moderately advanced or very advanced
  - **T4a** Moderately advanced local disease
    - Tumour invades through the outer cortex of the thyroid cartilage and/or invades tissues beyond the larynx (e.g. trachea, soft tissues of neck including deep/extrinsic muscle of tongue, strap muscles, thyroid, or oesophagus)
  - **T4b** Very advanced local disease
    - Tumour invades prevertebral space, encases carotid artery, or invades mediastinal structures

#### Glottis

- **TX** Primary tumour cannot be assessed
- **Tis** Carcinoma in situ
- **T1** Tumour limited to the vocal cord(s) (may involve anterior or posterior commissure) with normal mobility
  - **T1a** Tumour limited to one vocal cord
  - **T1b** Tumour involves both vocal cords
- **T2** Tumour extends to supraglottis and/or subglottis and/or with impaired vocal cord mobility
- **T3** Tumour limited to the larynx with vocal cord fixation and/or invasion of paraglottic space, and/or inner cortex of the thyroid cartilage
- **T4** Moderately advanced or very advanced
  - **T4a** Moderately advanced local disease
    - Tumour invades through the outer cortex of the thyroid cartilage and/or invades tissues beyond the larynx (e.g. trachea, cricoid cartilage, hyoid bone, thyroid gland, oesophageal muscle or central compartment soft tissue)
  - **T4b** Very advanced local disease
    - Tumour invades prevertebral fascia, encases carotid artery, or invades mediastinal structures

#### Subglottis

- **TX** Primary tumour cannot be assessed
- **Tis** Carcinoma in situ
- **T1** Tumour limited to subglottis
- **T2** Tumour extends to vocal cord(s) with normal or impaired mobility
- **T3** Tumour limited to larynx with vocal cord fixation and/or invasion of paraglottic space and/or inner cortex of the thyroid cartilage
- **T4** Moderately advanced or very advanced
  - **T4a** Tumour invades cricoid or thyroid cartilage and/or invades tissues beyond the larynx (e.g. trachea, soft tissues of neck including deep/extrinsic muscles of the tongue, strap muscles, thyroid, oesophagus)
  - **T4b** Very advanced local disease
    - Tumour invades prevertebral space, encases carotid artery, or invades mediastinal structures

#### Primary tumour: Hypopharynx

- **TX** Primary tumour cannot be assessed
- **Tis** Carcinoma in situ
- **T1** Tumour limited to one subsite of hypopharynx and/or 2 cm or smaller in greatest dimension
- **T2** Tumour invades more than one subsite of hypopharynx or an adjacent site, or measures larger than 2 cm but not larger than 4 cm in greatest dimension without fixation of hemilarynx
- **T3** Tumour larger than 4 cm in greatest dimension, or with fixation of hemilarynx or extension to oesophageal mucosa
- **T4** Moderately advanced and very advanced local disease
  - **T4a** Moderately advanced local disease
    - Tumour invades thyroid/cricoid cartilage, hyoid bone, thyroid gland, oesophageal muscle or central compartment soft tissue
  - **T4b** Very advanced local disease
    - Tumour invades prevertebral fascia, encases carotid artery, or invades mediastinal structures

#### G5.01 DIAGNOSTIC SUMMARY

Include: Specimen(s) submitted; Tumour type; Tumour grade; Lymphovascular involvement; Perineural involvement; Margins of resection; Tumour stage.

#### G5.02 OVERARCHING COMMENT