Ear and Temporal Bone Tumours Histopathology Reporting Proforma

Includes the International Collaboration on Cancer reporting dataset denoted by *

Family name

Given name(s)

Date of birth

Patient identifiers e.g. MRN, IHI or NHI (please indicate which)

Date of request

S1.03 Accession number

Clinical information

S1.02 Not provided OR

*Operative procedure (select all that apply)

- Biopsy (incisional, excisional, diagnostic sampling)
- Resection, specify
  - Temporal bone resection
  - Sleeve resection (cartilaginous portion of canal, including tympanic membrane)
  - Lateral temporal bone resection (sleeve and middle ear)
  - Radical external auditory canal resection
  - Subtotal temporal bone resection
  - Radical temporal bone resection (mastoidectomy, petrousectomy)
- Parotidectomy
- Neck (lymph node) dissection*, specify
- Other, specify

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

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

* Note: Record if previous local therapy.

G1.01 COPY TO DOCTORS

S1.04 PRINCIPAL CLINICIAN

Version 1.0 Proforma: Ear and Temporal Bone Tumours Structured Reporting Protocol 1st Edition
G1.02 ADDITIONAL COMMENTS

Macroscopic findings

S2.01 SPECIMEN LABELLED AS

S2.02 *OPERATIVE PROCEDURE

- Biopsy (incisional, excisional, diagnostic sampling)
- Resection, specify
  - Temporal bone resection
  - Sleeve resection (cartilaginous portion of canal, including tympanic membrane)
  - Lateral temporal bone resection (sleeve and middle ear)
  - Radical external auditory canal resection
  - Subtotal temporal bone resection
  - Radical temporal bone resection (mastoidectomy, petrosectomy)
- Parotidectomy
- Neck (lymph node) dissection*, specify
- Other, specify

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

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

- Not specified
- Biopsy only
- Sleeve resection of temporal bone
- Lateral temporal bone
- Subtotal temporal bone resection
- Partial mastoidectomy with middle ear contents
- Radical mastoidectomy
- Parotidectomy (whether superficial and/or deep lobes)
- Neck dissection, specify extent
- Other, specify

S2.04 SPECIMEN DIMENSIONS Record for each specimen submitted

mm x mm x mm

S2.05 *MAXIMUM DIMENSION OF LARGEST TUMOUR

mm

Cannot be assessed, specify

G2.01 *ADDITIONAL DIMENSIONS OF LARGEST TUMOUR

Additional dimensions (largest tumour)

mm x mm

G2.02 DEPTH OF INVASION

mm

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

- Cannot be assessed
- External auditory canal (EAC)
  - Left
  - Right
  - Laterality not specified
- Middle ear
  - Left
  - Right
  - Laterality not specified
- Temporal bone (including mastoid, petrous)
  - Left
  - Right
  - Laterality not specified
- Inner ear
  - Left
  - Right
  - Laterality not specified
- Other, specify including laterality

G2.03 *TUMOUR FOCALITY

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

G2.04 TUMOUR DESCRIPTION (select all that apply)

- Exophytic
- Polypoid
- Endophytic
- Nodular
- Ulcerated

G2.05 MACROSCOPIC EXTENT OF INVASION

- Skin
- Aural cartilage
- Bone
- Temporomandibular joint
- Parotid gland
- Facial nerve
- Stylo mastoid complex
- Internal jugular vein
- Dura
- Brain
- Other, describe
**Microscopic findings**

### S3.01 HISTOLOGICAL TUMOUR TYPE (select all that apply)

(Valued list from the World Health Organization Classification of Head and Neck Tumours (2017))

- Squamous cell carcinoma
- Ceruminous adenocarcinoma
  - Ceruminous adenocarcinoma, not otherwise specified
  - Ceruminous mucoepidermoid carcinoma
  - Ceruminous adenoid cystic carcinoma
- Ceruminous adenoma
  - Ceruminous adenoma (NOS)
  - Ceruminous pleomorphic adenoma
  - Ceruminous syringocystadenoma papilliferum
- Aggressive papillary tumour
- Endolymphatic sac tumour
- Middle ear adenoma (carcinoid)
- Middle ear adenocarcinoma
- Meningioma (ectopic or direct extension)
- Vestibular schwannoma
- Paraganglioma (jugulotympanic glomus tumour)
- Other, specify

- Cannot be assessed, specify

### S3.02 HISTOLOGICAL GRADE

- Not applicable
- Low grade (well differentiated)
- Intermediate grade (moderately differentiated)
- High grade (poorly differentiated)
- Cannot be assessed, specify

### S3.03 EXTENT OF INVASION** (select all that apply)

- Not identified
- Bone and/or cartilage invasion (EAC)
- Jugular bulb
- Carotid artery invasion
- Dura
- Brain parenchyma invasion
- Parotid gland
- Temporomandibular joint (TMJ)
- Soft tissue involvement
- Skin involvement
- Nerve invasion, specify nerve if possible
  (e.g., facial nerve, tympanic nerve, glossopharyngeal nerve, lesser petrosal nerve, greater petrosal nerve)

** Invasion into any of these anatomical structures may be a clinical/surgical and/or imaging observation and/or histology finding(s).

### S3.04 BONE/CARTILAGE INVASION

- Not identified
- Present
  - Clinical observation and/or imaging
  - Histologic

** Cannot be assessed, specify

### S3.05 PERINEURAL INVASION

- Not identified
- Present

** Cannot be assessed, specify

### S3.06 LYMPHOVASCULAR INVASION

- Not identified
- Present

** Cannot be assessed, specify
S3.07 *MARGIN STATUS

- Involved by invasive carcinoma
  Specify margin(s), if possible

- Not involved by invasive carcinoma
  Distance of tumour from closest margin mm

- Distance not assessable
  Specify closest margin, if possible
  - Skin
  - Soft tissue
  - Bone
  - Parotid gland

- Cannot be assessed, specify

G3.01 *COEXISTENT PATHOLOGY (select all that apply)

- None identified
- Chronic otitis media
- Cholesteatoma
- Osteomyelitis (acute, chronic)
- Other, specify

G2.02 RADIATION INDUCED TISSUE DAMAGE

- Not identified
- Identified, specify (describe induced damage, if possible)

- Cannot be assessed, specify (describe reason, if possible)

G3.03 ADDITIONAL MICROSCOPIC COMMENT

Ancillary findings

G4.01 *ANCILLARY STUDIES

- Not performed
- Performed, specify

Synthesis and overview

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

TNM Descriptors (only if applicable) (select all that apply)

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

Primary tumour (T)

- Not applicable
- T1 Tumour limited to the EAC without bony erosion or evidence of soft tissue involvement
- T2 Tumour with limited EAC bone erosion (not full thickness) or limited (<0.5 cm) soft tissue involvement
- T3 Tumour erosive the osseous EAC (full thickness) with limited (<0.5 cm) soft tissue involvement, or tumour involving the middle ear and/or mastoid
- T4 Tumour eroding the cochlea, petrous apex, medial wall of the middle ear, carotid canal, jugular foramen, or dura, or with extensive soft tissue involvement (>0.5 cm), such as involvement of TMJ or styloid process, or evidence of facial paresis

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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

G5.02 Edition/version number of the Cancer Structured Reporting Protocol.