


# 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**

Requesting doctor - name and contact details

Sex

- Male  
 Female  
 Intersex/indeterminate

Ethnicity

- Unknown  
 Aboriginal/Torres Strait Islander (AU)  
 Māori (NZ)  
 Other ethnicity:

## 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**

G1.02 ADDITIONAL COMMENTS

Empty text box for additional comments.

Macroscopic findings

S2.01 SPECIMEN LABELLED AS

Empty text box for specimen label.

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, petrousectomy)

- Parotidectomy
  - Neck (lymph node) dissection\*, *specify*
- Empty text box for neck dissection details.

- Other, *specify*
- Empty text box for other procedure details.

\* 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*
- Empty text box for other specimen submission details.

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*
- Empty text box for cannot be assessed details.

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*

Empty text box for other tumour site details.

G2.03 \* TUMOUR FOCALITY

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

Empty text box for multifocal tumour details.

- Cannot be assessed, *specify*
- Empty text box for cannot be assessed details.

G2.04 TUMOUR DESCRIPTION (select all that apply)

- Exophytic  Polypoid
- Endophytic  Nodular
- Ulcerated

G2.05 MACROSCOPIC EXTENT OF INVASION

Empty text box for macroscopic extent of invasion.

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

Empty text box for other invasion details.

**S2.07 INK APPLICATION AND BLOCK IDENTIFICATION KEY**


**G2.06 ADDITIONAL MACROSCOPIC COMMENTS**


**Microscopic findings**

**S3.01 \* HISTOLOGICAL TUMOUR TYPE** (select all that apply)  
*(Value 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*

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Cannot be assessed, *specify*

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**S3.02 \* HISTOLOGICAL GRADE**

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

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**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)*

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Other, *specify*

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Cannot be assessed, *specify*

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\*\* *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*

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**S3.05 \* PERINEURAL INVASION**

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

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**S3.06 \* LYMPHOVASCULAR INVASION**

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

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### 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 eroding 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.

### S5.02 OVERARCHING COMMENT

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