

Ear and Temporal Bone Tumours Histopathology Reporting Guide

Family/Last name Date of birth Given name(s) Patient identifiers Date of request Accession/Laboratory number Elements in **black text** are CORE. Elements in **grey text** are NON-CORE.SCOPE OF THIS DATASET **OPERATIVE PROCEDURE** (select all that apply) 

- Not specified
- 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 dataset is used to record the information.**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***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*

TUMOUR FOCALITY 

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

 Cannot be assessed, *specify***TUMOUR DIMENSIONS** 

Maximum tumour dimension (largest tumour)

 mm

Additional dimensions (largest tumour)

 mm x mm Cannot be assessed, *specify***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 (NOS)
- 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*

HISTOLOGICAL TUMOUR GRADE

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

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)

Other, *specify*

Cannot be assessed, *specify*

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

BONE/CARTILAGE INVASION

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

Cannot be assessed, *specify*

PERINEURAL INVASION

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

LYMPHOVASCULAR INVASION

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

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*

COEXISTENT PATHOLOGY (select all that apply)

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

ANCILLARY STUDIES

- Not performed
- Performed, *specify*

PATHOLOGICAL STAGING

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

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

Primary tumour (pT)***

- 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

*** Note that the results of lymph node/neck dissection are derived from a separate dataset.