

20 Sensory nerve supply of the ear

- A The lesser occipital nerve (C1) supplies the upper medial surface of the pinna.
- B The 'Alderman's nerve' may be stimulated by instilling spirit or instruments into the external meatus.
- C The glossopharyngeal nerve supplies sensory fibres to the middle ear cleft.
- D The mandibular nerve supplies sensation to the lateral surface of the pinna and the anterior halves of the external meatus and tympanic membrane.
- E The seventh cranial nerve gives a sensory supply to the ear.

21 The following lesions may cause referred otalgia

- A Fibrositis of the upper portion of the sternomastoid muscle via the fibres of C2 and C3.
- B A high septal deviation causing pressure on the middle turbinate.
- C Parotid and submandibular calculi.
- D Acute sphenoidal and maxillary sinusitis.
- E An elongated styloid process.

22 The following neoplasms may present with otalgia

- A Nasopharyngeal carcinoma.
- B Tonsillar carcinoma.
- C Oesophageal carcinoma
- D Oropharyngeal carcinoma.
- E Chemodectoma of the larynx.