

“A CASE OF INTRATEMPORAL FOSSA NEURINOMA REMOVED THROUGHOUT A COMBINED TRANMAXILLARY-TRANSNASAL ENDOSCOPIC APPROACH”

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Trigeminal schwannomas with exclusive extracranial involvement (Type E) are rare neoplasms, and only 19 cases have been reported in international literature. They originate from the second (maxillary) branch of the trigeminal nerve (in the region of the pterygopalatine fossa) or from the third (mandibular) branch of the trigeminal nerve.

Extracranial trigeminal schwannomas, growing and extending from the infratemporal fossa (ITF) and the pterygopalatine fossa (PPF), can involve subsequently all extracranial and skull base structures, like maxillary sinus, ethmoid and sphenoid sinuses, orbit, parapharyngeal and retropharyngeal space, nasal fossa.

Radiology, mainly MR and TC, represents the most important tool in preoperative diagnosis and surgical planning in that kind of neoplasm.

A wide variety of surgical techniques and approaches has been reported in international literature to treat schwannomas with ITF involvement, and that reflects the anatomical complexity of the region.

A case report of an infratemporal fossa neurinoma removed throughout a combined transmaxillary-transnasal endoscopic approach is presented.