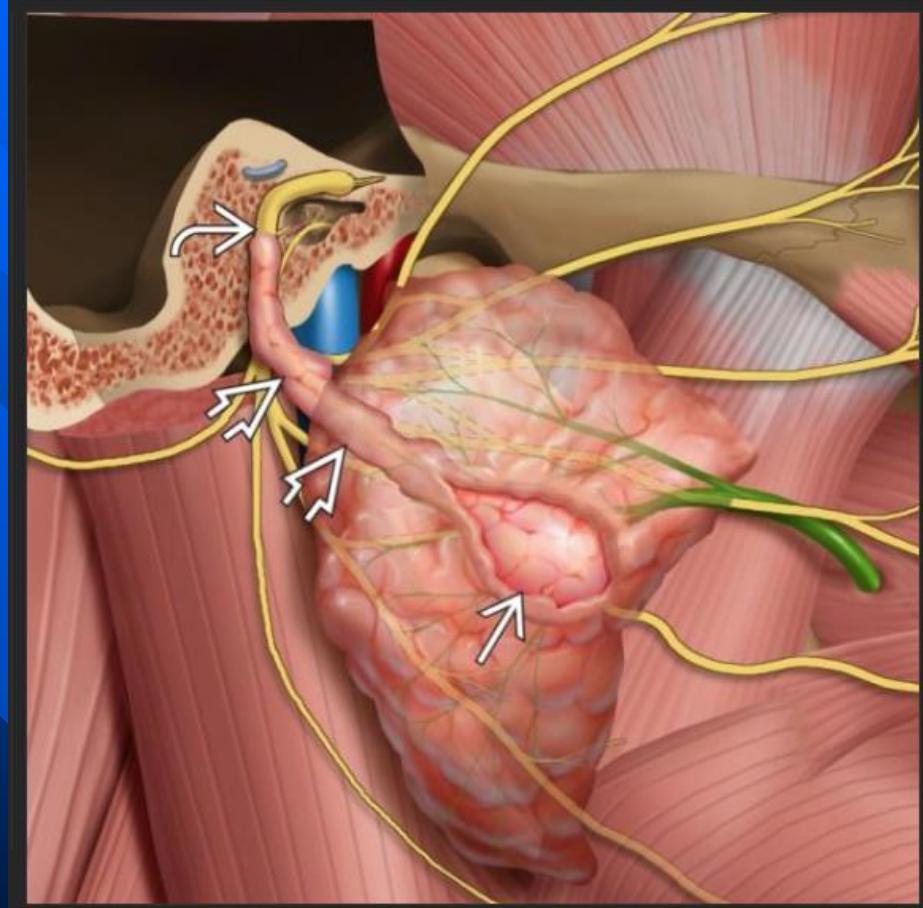


Perineural Parotid Malignancy

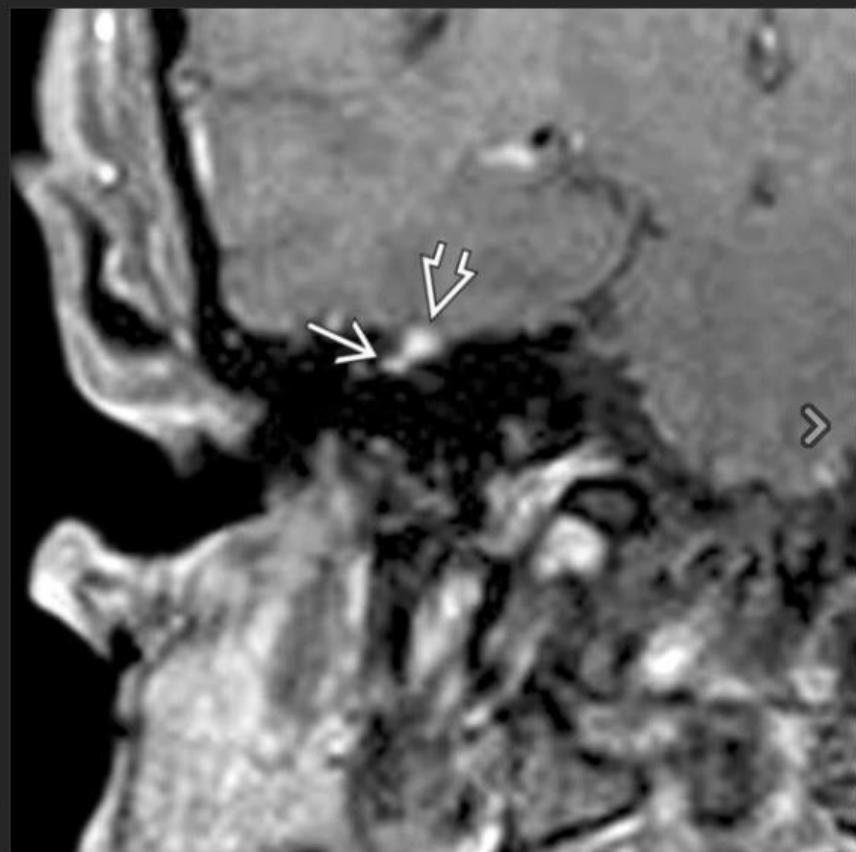
- Best clue: Poorly circumscribed, enhancing, tubular lesion involving expected location of facial nerve
- Extends from intraparotid tumor through stylomastoid foramen (SMF) to at least mastoid CN7
- CN7 PNT can extend proximally through to cerebellopontine angle
- Contiguous spread or "skip lesions" along CN7



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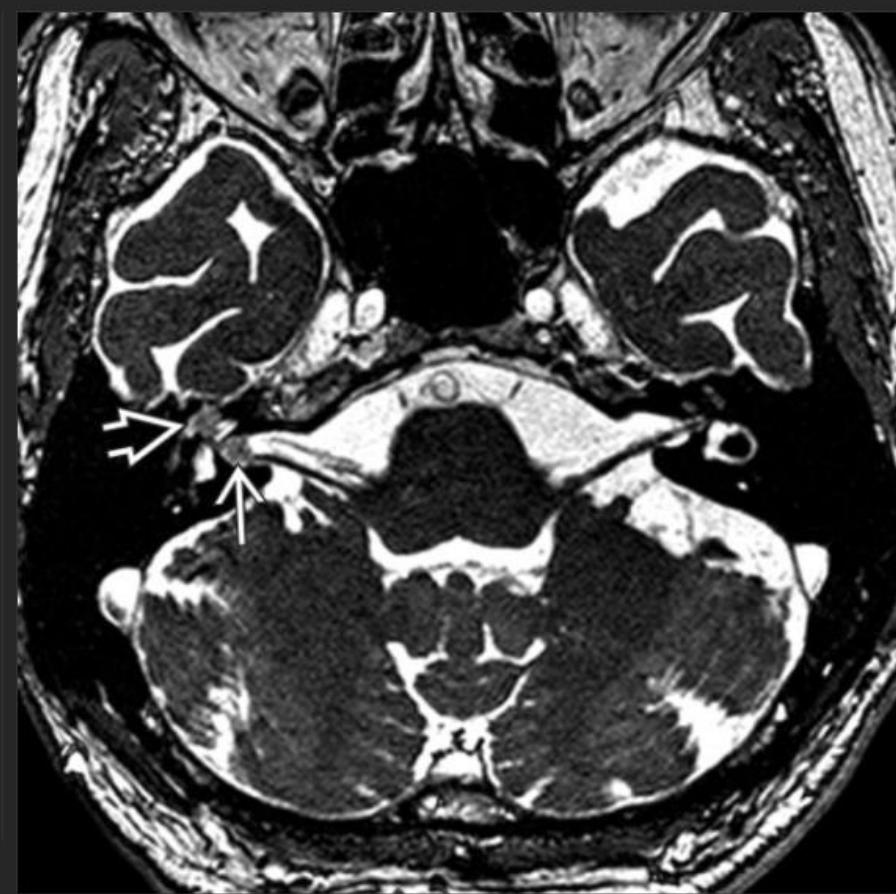
Lateral graphic depicts an intraparotid neoplasm → spreading along the facial nerve ↗ to the stylomastoid foramen. Note that it continues to travel superiorly on the mastoid segment of CN7 to posterior genu ↗.

Perineural Parotid Malignancy



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Coronal T1WI C+ MR in the same patient reveals a "skip lesion" of perineural tumor involving the right anterior tympanic → and labyrinthine ↗ segments of CN7. The intervening tympanic segment (not shown) appeared normal, hence the term "skip lesion."



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Axial T2WI MR with thin-section high-resolution technique in the same patient shows perineural parotid malignancy has spread centrally along CN7 to involve the geniculate ganglion ↗ and CN7 in the fundus of the internal auditory canal →.