

# Retrosigmoid Craniectomy for Vestibular Schwannoma with Hearing Preservation

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## Abstract

### Keywords

- ▶ retrosigmoid craniectomy
- ▶ vestibular schwannoma
- ▶ hearing preservation
- ▶ skull base surgery

**Objectives** To describe a retrosigmoid craniectomy, hearing-preservation approach for resection of vestibular schwannoma.

**Design/Setting/Participants** A video of a single patient undergoing the above approach at a tertiary care skull base surgery program.

**Results** This video demonstrates a retrosigmoid craniectomy approach for resection of an enlarging intracanalicular vestibular schwannoma in a patient with normal hearing. The video highlights the pertinent surgical anatomy and outlines in a step-by-step fashion the surgical steps. The patient obtained a gross total resection with preservation of hearing.

**Conclusion** A retrosigmoid craniectomy approach for vestibular schwannoma offers a potentially hearing preservation approach for selected tumors. The link to the video can be found at: <https://youtu.be/VM663XztRZw>.

### Conflict of Interest

None.



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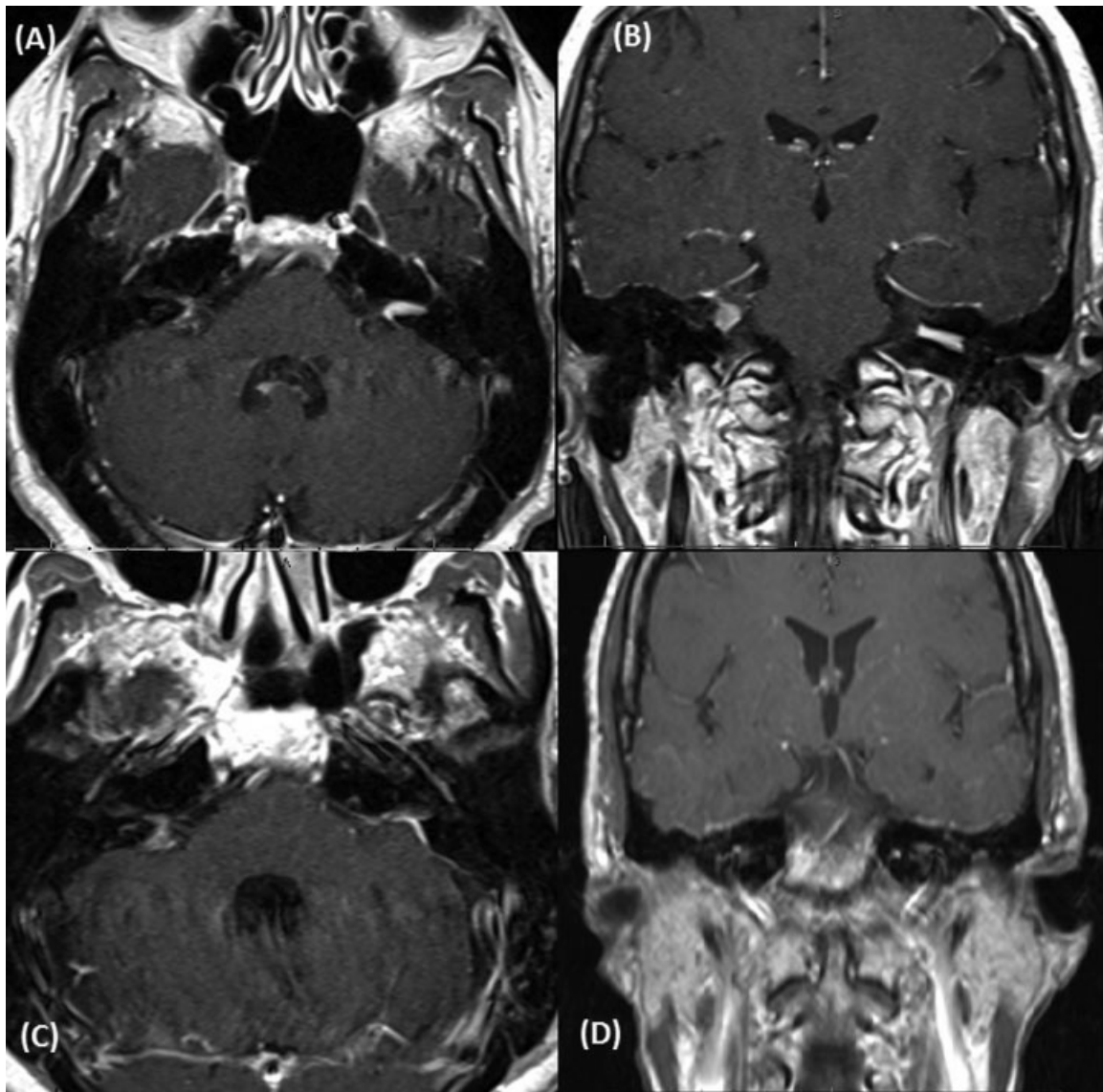
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**Fig. 1** T1-weighted magnetic resonance images with gadolinium demonstrating (A) preoperative axial, (B) preoperative coronal, (C) postoperative axial, and (D) postoperative coronal images of a left intracanalicular vestibular schwannoma.