Transcanal Microscopic Transpromontorial Approach for Vestibular Schwannoma

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Abstract

Objectives This video demonstrates the transcanal transpromontorial approach for resection of vestibular schwannoma.

Design/Setting/Participants Present study is based on a video of a single patient undergoing the above approach at a tertiary care skull base surgery program.

Results This video demonstrates a transcanal microscopic transpromontorial approach for resection of an enlarging intracanalicular vestibular schwannoma in a young patient with nonserviceable hearing. The video highlights the pertinent surgical anatomy and outlines, in a step-by-step fashion, the approach to the internal auditory canal via this minimally invasive approach. The surgical indications and reconstructive techniques are also discussed (►Fig. 1).

Conclusions A transcanal microscopic transpromontorial approach for vestibular schwannoma is feasible and offers a minimally invasive option for patients electing for microsurgical resection. The link to the video can be found at: https://youtu.be/-oKkRooytws.

Keywords
► vestibular schwannoma
► lateral skull base
► transpromontorial approach
► minimally invasive

Conflict of Interest
None declared.
Fig. 1 Cadaveric dissection of transpromontorial approach demonstrating internal auditory canal contents. CN, cranial nerve, CPA, cerebellopontine angle.