Endoscopic Resection of Intralabyrinthine Schwannoma Followed by Cochlear Implantation

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Abstract

We present the case of a 65 years old patient who developed a complete, sensorineural hearing loss on the right side due to an intravestibular schwannoma. Our video shows a transcanal, endoscopic approach with complete schwannoma removal on the right side, subsequent e-BERA recordings, and cochlear implantation.

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Abstract

We present the case of a 65 years old patient who developed a complete, sensorineural hearing loss on the right side due to an intravestibular schwannoma. Our video shows a transcanal, endoscopic approach with complete schwannoma removal on the right side, subsequent e-BERA recordings, and cochlear implantation. The use of an endoscope allows improved visualization of anatomical structures. If cochlear and neural structures remain intact, simultaneous cochlear implantation with hearing restoration is feasible (Choudhury 2019).

Literature

Choudhury, B., M.L. Carlson, and D. Jethanamest, Intralabyrinthine Schwannomas: Disease Presentation, Tumor Management, and Hearing Rehabilitation. J Neurol Surg B Skull Base, 2019. 80(2): p. 196-202.

Authorship Contribution Statement

Lohnherr V: video editing, abstract

Anschuetz L: surgery, review and editing

Mantokoudis G: review and editing

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Caversaccio M: resources, supervision

Weder S: surgery, review and editing

Proof of consent

Written informed consent was obtained from the patient to publish this report in accordance with the journal's patient consent policy.

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There are no conflicts of interest, financially, or otherwise.

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