

## ENDOSCOPIC APPROACH FOR STAPES SURGERY

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**R**ecent advances in optics have provided greater evolution with the concept of minimally invasive surgical procedures, and endoscopic approach allows higher magnification, permitting correct identification of the diseases. Endoscopic surgeries have provided the field of Otology with many endoscopes with varying diameters and acceptable resolution. This technique is suitable for chronic otitis media, malformation of ossicles, traumatic damage, cholesteatoma, otosclerosis, and others. Endoscopic stapes surgery can be attempted in all suspected cases of ossicular malformation, whereas permits a better identification of middle ear structures, facial nerve and stapes area, since traditional techniques may not always be sufficient for diagnostic and surgical management. Additionally, preliminary studies showed a decreased postoperative pain in endoscopic approach when compared with traditional technique. Tympanic membrane tears, temporary facial nerve palsy, perilymphatic gusher, altered taste, dysgeusia and accidental complete cut of the chorda tympani nerve are the possible intraoperative complications. In conclusion, the few available studies have demonstrated that endoscopic stapes surgery is safe and provides similar audiological results when compared to the microscopic procedures.

### Recent Publications

1. Pauna H F et al. (2017) Evidence against the mucosal traction theory in cholesteatoma. The Laryngoscope doi: 10.1002/

lary.26940.

2. Guimarães A C, Pauna H F, et al. (2017) Speech language development after cochlear implants in pre-lingual children according to the age of implantation. Indian Journal of Otology 23(3).
3. Pauna H F et al. (2017) Cochlear Implants in labyrinthitis ossificans. Chronicle Journal of Otolaryngology 1(1):3-7.
4. Pauna H F et al. (2017) Multidisciplinary approach to the patient with obstructive sleep apnea. Journal of Otology & Rhinology 6:4.
5. Pauna H F and Carvalho G M (2017) Surgical approach for cerebello-pontine angle lesions and vertigo. Chronicle Journal of Otolaryngology 1(1):1-2.

### Biography

Henrique F Pauna, MD has completed his ENT training in 2015. He has his expertise in Otopathology and Middle Ear Diseases. He underwent a Research Fellowship at the University of Minnesota, under the supervision of Dr. Michael M Paparella and Dr. Sebahattin Cureoglu, from 2015 to 2016. Currently he is pursuing his PhD in University of São Paulo – Ribeirão Preto, focusing his research in meningitis and hearing loss. Additionally, he is a volunteer at the University of Campinas, teaching 4th year students about ear anatomy and pathologies of the ear.

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