



TITLE: EVALUATE THE RESULTS OF ENDOSCOPIC TRANCANAL ATTICO-ANTROTOMY SURGERY COMBINED WITH TYMPANOPLASTY

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ABSTRACT

Chronic otitis media (COM) is a recurrent infection of the middle ear (ME) and/or mastoid air cells in the presence of a tympanic membrane perforation, retraction pocket. Cholesteatoma otitis media is one of the dangerous diseases of the ME that can cause dangerous complications such as facial paralysis, sensorineural hearing loss etc.

The development of endoscopic ear surgery techniques promises to change the way we approach ear surgery. In this topic, we explore the current evidence, seek to determine the advantages of endoscopic ear surgery, to have the potential to significantly reduce cholesteatoma recidivism rates. Especially, endoscopic transcanal attico-antrotomy surgery combined with tympanoplasty is less invasive than postauricular surgery and provides full exposure of the tympanum and antrum to safely remove diseases.

Objects: To describe the clinical and subclinical characteristics of COM with ossicles chain lesions, and evaluate the results of endoscopic transcanal attico-antrotomy surgery combined with tympanoplasty.

Study subjects: 42 patients with endoscopic transcanal attico-antrotomy surgery combined with tympanoplasty.

Methods: Describe each cases with retrospective intervention study.

Results: Mean age was 46.8 ± 14.9 years old. Women more than men. The most three symptoms were hearing loss, tinnitus and otorrhea. Cholesteatoma otitis media (47.6%), atelectasis and retraction pocket (40.5%). CT scan demonstrated total attical opacity (85.8%). Preoperative ABG is 39.5 ± 8.5 dB and postoperative ABG of type II tympanoplasty is $27,6 \pm 3,6$ dB. Dry ear postoperative average time is 95.2%.

Conclusion: Endoscopic transcanal attico-antrotomy surgery is a safe, efficacious, and minimally invasive approach to remove diseases from the ME and antrum.

Keywords: Chronic otitis media, endoscopic ear surgery, transcanal attico-antrotomy, tympanoplasty.

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Oral

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BIOGRAPHY

I have completed my Otorhinolaryngology master degree in 2006 at Hanoi Medical University, Vietnam. After that, I worked and held the position of head ENT department at Hong Ngoc International hospital until now. During this time, I have been working and learning continuously such as ear, sinus and skull base surgery in Malaysia, Singapore, Korea, United Kingdom etc. And completed my graduation thesis of Otology specialist degree II (SD II) in 2022 at Hanoi Medical University, Vietnam as well.

I am so honored to be a member of the charity surgical society “Facing The World” is headquartered in London, UK and has participated in charity surgery programs many times for unlucky and poor patients in Vietnam as well as Cambodia.

I am one of a speaker at the 20th Asean ORL-HNS congress with the topic of Endoscopic Ear Surgery held in Hanoi, Vietnam last October 2023.