Results of endolymphatic sac surgery mixed in Menière disease

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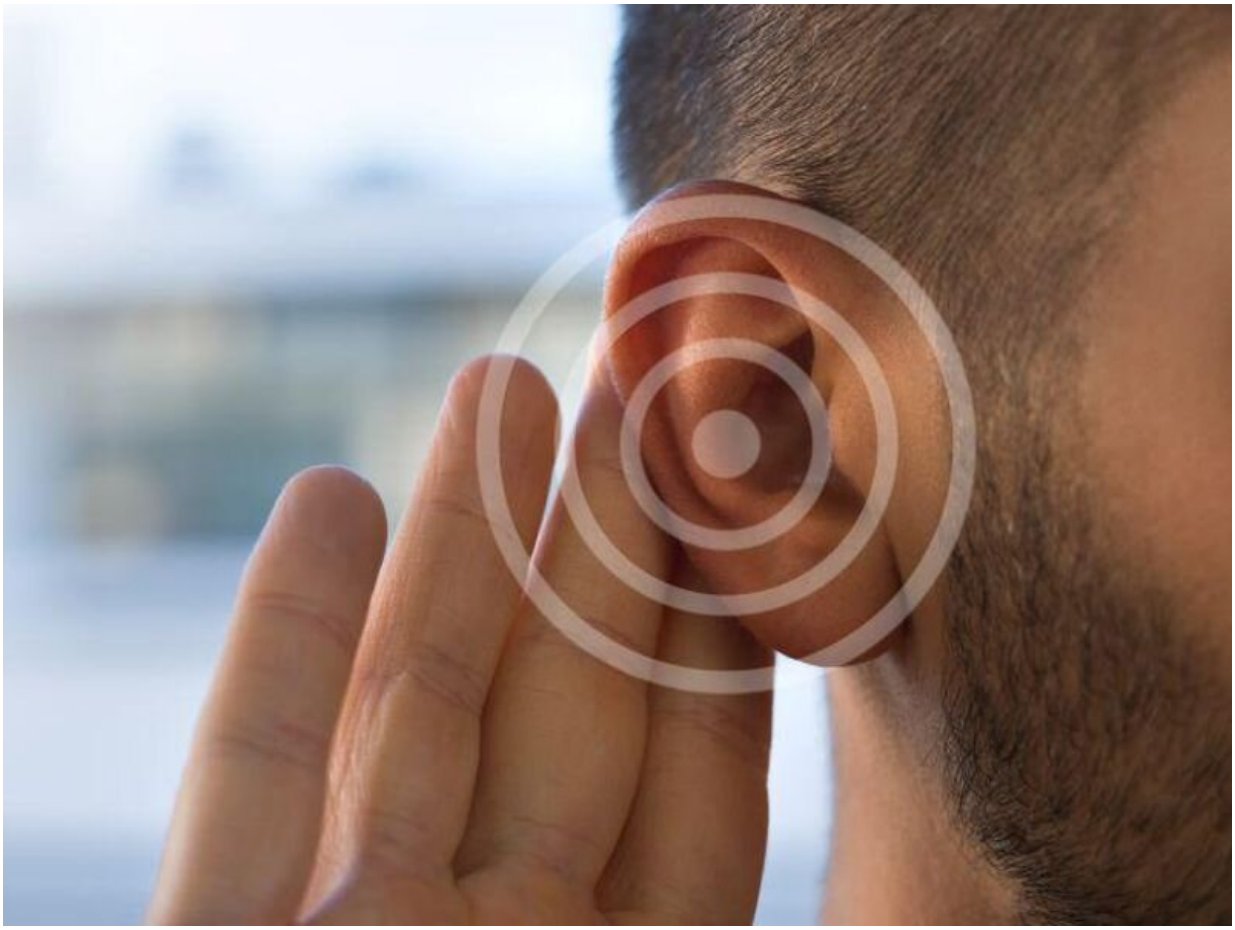

Endolymphatic sac surgery appears to offer mixed results for the

treatment of Menière disease, according to a systematic review published online Oct. 8 in the *European Archives of Oto-Rhino-Laryngology*.

Franziska A. Szott, from Aachen University Hospital in Germany, and colleagues conducted a systematic review and meta-analysis to examine the treatment efficiency of endolymphatic sac surgery in patients with Menière disease.

The researchers found that according to American Academy of Otolaryngology-Head and Neck Surgery 85/95, the effect of 9.25 dB postoperative weighted average hearing loss in surgically treated individuals was classified as "clinically not significant." However, the 26.23 percent deterioration in speech comprehension was considered clinically significant. A two-category improvement of functional-level scale assessment, representing a category B assessment of vertigo control, was observed.

"Based on the results, it can be generally concluded that the therapy leads to evident functional level and vertigo improvement, with limitations to long-term follow-up for vertigo by considering a period of maximum two years, while a reduction in auditory abilities occurs," the authors write.

More information: Franziska A. Szott et al, Is endolymphatic sac surgery an efficient treatment of Menière's disease patients? A systematic literature search and meta-analysis, *European Archives of Oto-Rhino-Laryngology* (2022). DOI: 10.1007/s00405-022-07580-8