Clinical manifestation of cholesterol granuloma diagnosed with tympanic membrane feature

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ABSTRACT

Cholesterol granuloma is a foreign body giant cell reaction to cholesterol deposits that occur in sequestrated tympanomastoid compartments. It is a common pathologic occurrence in chronic otitis media.

RESULTS

We carried out swab culture of cholesterol granuloma at 22 patients, intraoperatively. Microorganisms were cultivated in 8 patients (10.5%). Among them, 6 patients (9.5%) had history of otorrhea during preoperative follow-up period. MRSA (n=3) was most common (Table 2).

DISCUSSION

With blue ear drum or bluish bulging mass on tympanic membrane, we can assess patients having cholesterol granuloma easily. However, about 25-30% of each group, disease was extended to attic region or mastoid without involving mesotympanum. So we would like to diagnose these patients with imaging modality like temporal bone CT or MRI for considering tympanomastoid operation. Explanation of possibility of mastoidectomy to patients is also needed. In case of history of otomycosis microorganism culture must be needed.

REFERENCES