

AN ANALYSIS OF INSIDE OUT MASTOIDECTOMY WITH TYMPANOPLASTY WITH OR WITHOUT OSSICULOPLASTY FOR MANAGEMENT OF MIDDLE EAR CLEFT CHOLESTEATOMA

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ABSTRACT:

AIMS:

To evaluate the advantages and shortcomings of inside out mastoidectomy with tympanoplasty with or without ossiculoplasty for management of middle ear cleft cholesteatoma.

Material and Methods:

It is a Prospective Observational study. 40 patients of chronic otitis media with cholesteatoma in the age group of 10 years to 50 years who underwent inside out mastoidectomy were included in the study. Reconstruction was done with autologous ossicle, PORP or TORP as required. Temporalis fascia graft was placed over the assembly.

Results:

21(52.5%) patients had attic cholesteatoma, 17(42.5%) had postero-superior retraction pocket and 2 (5%) patients had both attic cholesteatoma and postero-superior retraction pocket on otoscopic examination.

During follow up 2 patients (5%) had persistent ear discharge within 6months of surgery and 2 patients (5%) developed ear discharge after 7 months and 1 year after surgery. Recurrence rate was 10%.The mean gain in air conduction was 16.2dB.

Conclusion:

By this study it can be concluded that inside out mastoidectomy provides advantages over both outside in canal wall down mastoidectomy and intact canal wall mastoidectomy.

Keywords: [Cholesteatoma](#), [Canal wall down mastoidectomy](#), [canal wall up mastoidectomy](#), [inside out technique](#).