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Evaluation of the hearing results after mastoidotympanoplasty operation with or without Ossiculoplasty - a percentage (%) change versus absolute change; A different methodology

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Our article provides a comprehensive review of parameters of percentage change of the results in terms of the documented hearing results (not based on any particular classification) in ear surgeries in chronic suppurative otitis media (CSOM) cases. Materials and methods: Our series is a prospective cohort observational study in 230 cases of CSOM from 2009-2016 wherein we have evaluated the hearing improvement with a parameter of percentage (%) change of hearing improvement between pre-operative and post-operative period in various types of ear surgeries. A statistically significant difference was seen in 4 out of the 14 surgical groups namely in mastoidotympanoplasty, modified

radical mastoidectomy (MRM), MRM with tympanoplasty and in tympanoplasty. The rest of the 10 surgical groups had less than 10 cases and therefore the p significance could not be determined however these groups still showed hearing improvement. The superiority of the surgical techniques like mastoidotympanoplasty, MRM, MRM with tympanoplasty and in tympanoplasty as demonstrated in our study aims to find an ideal surgical procedure in CSOM which gives the best chance to improve or preserve the hearing with complete eradication of the disease.

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