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Cartilage tympanoplasty: a reliable technique for smokers.

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Source

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Abstract



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The aim of this study was to report our experience with cartilage tympanoplasty (CT) in smokers and compare it with that of non-smokers using a retrospective chart review at a tertiary referral center. Between September 2008 and September 2010, cartilage tympanoplasty was performed in 52 patients. Among them, 27 were active smokers and 25 former or non-smokers. The entire tympanic membrane was replaced with conchal cartilage, shaped either as a shield for cases with intact canal wall mastoidectomies, or crashed for cases with canal wall down procedures.

The mean post-operative follow-up was 12 months (range 6-18 months). A complete pre- and post-operative audiologic evaluation was obtained in all patients. Graft take was successful in all patients. The overall average pre-operative and post-operative pure tone average air-bone gaps (PTA-ABG) was $52.2 \text{ dB} \pm 17.7 \text{ dB}$ and $35.4 \text{ dB} \pm 17.9 \text{ dB}$, respectively, with an overall improvement of 16.8 dB (p