

# **Postoperative results of simple underlay myringoplasty in better hearing ears.**

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## **Abstract:**

Conclusions. Simple underlay myringoplasty with fibrin glue (SUM) is indicated for repair of tympanic membrane (TM) perforation in the better hearing ear because postoperative hearing deterioration is extremely rare. Objective. To evaluate the postoperative results, including the hearing and the re-perforation rate, in the better hearing ear. Materials and methods. The procedure of SUM is removal of the perforation edge and bonding of the graft to the remnant TM with a few drops of fibrin glue by underlay technique. This method was applied to 75 patients with a perforated TM in the better hearing ear. The postoperative hearing and the re-perforation rate were investigated. Results. The mean of the postoperative hearing gain was 10.3 dB and no cases of postoperative hearing loss were observed. Although postoperative re-perforation was found in 18 cases (24.0%), the re-perforation was closed in 16 of these cases in the outpatient department by the same procedure using frozen autologous tissue that had been harvested previously in surgery. Including these cases, the total success rate was 97.3%. © 2008 Taylor & Francis.