

البحث السادس

عنوان البحث باللغة الانجليزية :

Evaluation of Healing and Hearing Results of Full Thickness Cartilage Graft Versus Partial Thickness cartilage Graft in Tympanoplasty

Background: Cartilage is being used in place of temporalis fascia as a grafting material, especially for the repairing of recurrent perforations, severely atelectatic tympanic membranes and retraction pocket. Rigidity of the cartilage graft is the concern for the audiological outcome of the surgery. **In this study**, our aim was to evaluate the healing and audiological outcomes of tympanoplasty performed using tragal cartilage grafts of two different thicknesses (full thickness and partial thickness). **Patients and methods:** This study included 30 patients, presenting with safe CSOM and who underwent type one underlay tympanoplasty between July 2014 & February 2015. Patients were divided into two groups with 15 patients in each group. Group A had a full thickness tragal cartilage graft tympanoplasty, while group B patients had a partial thickness tragal cartilage graft tympanoplasty. **Results:** Graft take in both groups was (93.33%). Average Air-Bone gap closure was 9.71 ± 0.52 dB and 19.48 ± 5.93 dB respectively. **Conclusion:** The partial thickness tragal cartilage graft is preferable to the full thickness graft in terms of hearing gain level in type one tympanoplasty. The partial thickness cartilage offers a good balance between adequate stability and good hearing improvement levels.