

Fibrin glue in microsurgery of the middle ear.

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Abstract:

Fibrin glue was used in middle ear surgery in 181 patients. Every one of 30 perforated tympanic membranes was closed successfully by temporalis fascia. In 40 cases of repair of posterior canal wall defect with periosteum or cartilage, 39 were successful. There were 102 cases of ossiculoplasty. The average postoperative airborne gap was 12 dB compared with 18 dB in earlier cases without the use of tissue adhesive. Fibrin glue was used, without a graft, as an outpatient procedure in small defects of the tympanic membrane in 35 patients. Fifteen of these were caused by trauma and 20 were recurrent perforation following tympanoplasty. The perforation was closed successfully in 28 of the 35 patients. There was no evidence of granulation tissue or abscess formation in any of the cases. There were no immunological side effects and no cases of hepatitis.