

A clinical comparison of orthodox myringoplasty and a simple method with fibrin glue. [Japanese]

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Abstract:

Orthodox myringoplasty was clinically compared with a simple method with fibrin glue which rapidly came into wide use after the report of Yuasa in 1989. In Okayama Saiseikai General Hospital, orthodox myringoplasty was performed in 109 ears from September 1988 to November 1995, and the simple method with fibrin glue was performed in 84 ears from May 1991 to November 1995. The results showed that 90.8% of all eardrum perforations treated by orthodox myringoplasty and 79.8% of all eardrum perforations treated by the simple fibrin glue method were successfully closed. The rate of closure with each method was low in patients with large perforations. Generally speaking the hearing prognosis with each method, hearing improvement was observed right after the operation, and the improved hearing became stable about six months later. The difference in hearing prognosis was investigated in patients with small or large perforations. In patients with large perforations, the improved hearing slightly worsened a year after treatment by orthodox myringoplasty. These results show that the simple method with fibrin glue had the advantage of good hearing prognosis over orthodox myringoplasty, while it was inferior in the rate of closure of large eardrum perforations. It was considered that a simple fibrin glue method should be devised to prevent reperforation and should be used for patients with large perforations.