

عنوان مقاله:

Comparison of Fluoroplastic Causse Loop Piston and Titanium Soft-Clip in Stapedotomy

محل انتشار:

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خلاصه مقاله:

Introduction: Different types of prosthesis are available for stapes replacement. Because there has been no published report on the efficacy of the titanium soft-clip vs the fluoroplastic Causse loop Teflon piston, we compared short-term hearing results of both types of prosthesis in patients who underwent stapedotomy due to otosclerosis. **Materials and Methods:** A total of 57 ears were included in the soft-clip group and 63 ears were included in the Teflon-piston group. Pre-operative and post-operative air conduction, bone conduction, air-bone gaps, speech discrimination score, and speech reception thresholds were analyzed. **Results:** Post-operative speech reception threshold gains did not differ significantly between the two groups ($P=0.919$). However, better post-operative air-bone gap improvement at low frequencies was observed in the Teflon-piston group over the short-term follow-up (at frequencies of 0.25 and 0.50 kHz; $P=0.007$ and $P=0.001$, respectively). **Conclusion:** Similar post-operative hearing results were observed in the two groups in the short-term.

کلمات کلیدی:

Fluoroplastic (Teflon) Causse loop piston, Otosclerosis, Stapedotomy, Titanium soft-clip

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