

A new stapedotomy prosthesis: preliminary report.

Written by Velegrakis Yeoryios, Professor of Otorhinolaryngology - Last Updated Sunday, 15 June 2014 10:00



Prof. Velegrakis Yeoryios,

Professor of Otorhinolaryngology,

Department of Otolaryngology, veleg@university of Crete School of Medicine, Myrtias 3, Heraklion, Crete, GR-

A new stapedotomy prosthesis: preliminary report.

Our study describes a newly designed stapedotomy prosthesis which consists of two components: (1) a platinum ribbon, and (2) a Teflon shaft. The first innovation is a flattened 'tab' on the posterior aspect of the platinum ribbon.

The second innovation concerns the dual diameter cylinder-like shaft. Our prosthesis was implanted into 25 individuals, who underwent stapedotomy for stapes fixation, and the results are shown and discussed. Our innovations offer a proper and safe insertion of the prosthesis into the oval window associated with excellent manipulation and handling.

At the same time, maximum visualization of the surgical field is achieved, while the stepped-down design of the shaft prevents the prosthesis protruding into the vestibule.

Velegrakis GA, [Papadakis CE](#) , [Prokopakis EP](#) , [Helidonis ES](#) . Department of Otolaryngology, University of Crete School of Medicine, Heraklion, Greece.

A new stapedotomy prosthesis: preliminary report.

Written by Velegrakis Yeoryios, Professor of Otorhinolaryngology - Last Updated Sunday, 15 June 2014 10:00

ORL J Otorhinolaryngol Relat Spec.
1999 Jan-Feb;61(1):6-9.

Long-term results of a new stapedotomy prosthesis

The long-term results of a new, home-made stapedotomy prosthesis are presented. The innovations of this prosthesis concern both portions, design for attachment to the incus and shaft. Our series include a total number of 42 individuals with stapes fixation, operated using the new prosthesis, with a medical follow-up period between eighteen months and five years.

Our innovations offer a proper and safe insertion of the prosthesis into the oval window associated with excellent manipulation and handling. These advantages could be of major importance for younger surgeons and trainees. Postoperative hearing results are similar to those achieved with other commercially available pistons.

[Velegrakis GA](#) , [Prokopakis EP](#) , [Karatzanis AD](#) , [Hatzioannou JK](#) , [Kyrmizakis DE](#) , [Helidonis ES](#)

Long-term results of a new stapedotomy prosthesis.
ORL J Otorhinolaryngol Relat Spec.
2002 Sep-Oct;64(5):311-4.