

Advances in otosclerosis

Introduction

This monograph focuses on the significant advances in the diagnosis and treatment of otosclerosis, a disease that has long been at the centre of otologic research and clinical practice. The papers presented in this Supplement reflect the efforts of the Otolaryngology Unit at the University of Pisa, which has placed stapes surgery at the core of its activities for over five decades.

The collection of articles underscores the multidisciplinary approach necessary to tackle the complexities of otosclerosis, spanning from genetic research and audiological diagnosis to imaging techniques and surgical interventions, including cochlear implantation and implantable hearing aids. From this viewpoint, the most current and debated topics regarding this pathology are also addressed: pathogenesis and histopathology, surgical indications, the role of radiology and innovative imaging techniques, differential diagnosis, traditional and laser surgical techniques, complications, and revision surgery.

By bringing together insights from genetics, audiology, imaging, and surgery, we aim to offer a comprehensive overview of both the challenges and opportunities in managing this complex condition.

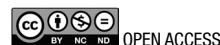


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