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Implants: Objective Measures in Mapping -- 19. Cochlear Implants: (Re) Habilitation -- 20. Assessment of Outcomes in Paediatric Cochlear Implant Users -- 21. Vestibular Function in Adult and Paediatric Cochlear Implant Recipients -- 22. Cortical Neuroplasticity in Deafness: Evidence from Children fitted with Implantable Auditory Prostheses -- 23. Auditory Brainstem Implants: Audiological Perspective -- 24. Auditory Brainstem Implant: Surgical Perspectives -- 25. Auditory Midbrain Implants -- 26. Vestibular Implant: The Present Status and Future Prospects.

Sommario/riassunto

The book Advances in Implantation Otology is a source of updated information on candidacy, surgery, and habilitation related to implantable hearing devices, all in one place for the professionals. The chapters in the book contain an amalgamation of sound theoretical background and rich clinical experiences of the authors. There are several books on implantable devices in the market, with the majority focusing on cochlear implants, with most of them missing details on other implantable devices, such as bone conduction implants, middle ear implants, auditory brainstem implants, mid-brain implants, and vestibular implants. While these implantable devices are taking rapid strides, often as an alternative to cochlear implantation, the information on them is largely scattered across journal articles and not easily accessible. This book provides details on vestibular implants, a topic either ignored or only briefly discussed in the existing books, with missing recent updates. This book also provides in-depth information on neuroplasticity and has an exclusive chapter on speech language assessment and therapy of cochlear implantees. A dedicated chapter in the book highlights the pre- and post-implantation vestibular issues in children and adults, an emerging area of concern and focus. The book also has an exclusive chapter on mid-brain implants. This book covers all kinds of hearing and vestibular implants from the perspectives of otologists (ENT specialists), audiologists, and habilitationists. In addition, this book is a precious commodity for undergraduate and postgraduate students and professional clinicians of otorhinolaryngology and audiology.