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Nota di contenuto	Part 1: ANATOMY, EMBRYOLOGY AND PHYSIOLOGY OF AUDITORY SYSTEM -- 1. Outer-Middle-Inner Ear and Central Hearing System Anatomy -- 2. Outer-Middle and Inner Ear Embryology -- 3. Physiology of Peripheral and Central Hearing System -- 4. Eustachian Tube: Overview -- 5. Temporal Bone Radiology -- Part 2: HEARING and MANAGEMENT of HEARING LOSS -- 6. Sound and Acoustic: Overview -- 7. Acoustic, Psychoacoustic and Properties of Sound -- 8. Behavioral and Electrophysiological Evaluations in Audiology -- 9. Basic Definition, Classification and Characteristics of Hearing Loss -- 10. Otological History Taking and Basic Examination Techniques -- 11. Selection and Application Principles of Hearing Aids in Pediatric and Adult Population -- Part 3: OUTER EAR PATHOLOGIES AND MANAGEMENT -- 12. Auricula Anomalies and Aural Atresia -- 13. Otoplasty -- 14. External Ear Tract Diseases -- 15. Auricula Tumors -- Part 4: MIDDLE EAR PATHOLOGIES AND MANAGEMENT -- 16. Acute Suppurative Otitis Media -- 17. Otitis Media with Effusion -- 18. Chronic Suppurative Otitis Media -- 19. Cholesteatoma -- 20. Retraction Pockets and

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Sommario/riassunto

This book provides a comprehensive and up-to-date overview of general information, along with an evaluation of diagnostic and therapeutic options for individuals suffering from otologic diseases. Covering fundamental sciences, clinical applications of otology treatments, and the latest research, it is designed to aid physicians in making well-informed decisions about patient care management. Divided into seven parts, the book addresses topics such as hearing reconstruction and its acoustic impact, cochlear implants, brainstem implants, genetic causes of hearing loss, including prevention and rehabilitation, sudden deafness, autoimmune inner ear disease, and the molecular basis of otosclerosis. Contributors also explore the contemporary clinical application of genetics and available testing for hearing loss. This volume will serve as an invaluable resource for otolaryngologists, head and neck surgeons, audiologists, neurologists, neurosurgeons, and residents, offering a comprehensive guide to enhance their understanding and practice.