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Nota di contenuto	Contents; Foreword; Preface; 1. Overview of Otoacoustic Emissions; Historical Perspective; Introduction to Auditory System Anatomy And Physiology in OAE Measurement ; 2. Anatomy and Physiology; Introduction; Main Structures Involved in OAEs; Concluding Remarks; 3. Classification of OAEs; Introduction; Stimulus-Based Classification; Closing Comments; 4. Instrumentation and Calibration; Introduction; Instrumentation; Hardware; Software; Calibration; Closing Thoughts; 5. Clinical Measurement of OAEs: Procedures and Protocols; Essential OAE Measurement Conditions; Recording TEOAEs Recording DPOAEsConcluding Comments; 6. OAE Analysis; Introduction; Analysis of Transient Evoked Otoacoustic Emissions; Analysis of Distortion Product Otoacoustic Emissions; Factors Influencing OAE Findings; 7. OAEs and CochlearPathophysiology: Children; Introduction; Middle Ear Diseases and Disorders; Screening Preschool and School-Age Children for Cochlear Dysfunction; Genetic Etiologies; Auditory Neuropathy Spectrum Disorder (ANS) ; Ototoxicity; Other Disorders and Diseases; 8. OAEs and CochlearPathophysiology: Adults; Introduction; Sound-Induced Cochlear Dysfunction; Tinnitus Other Disorders9. Efferent Auditory System and Otoacoustic Emissions; Introduction; Importance of Studying Efferent Modulation of OAEs;

Clinical Application sand Findings; Emerging Complexities; Conclusions; 10. New Directions in Research and Clinical Application; Beyond Current Practice; Integrated Instrumentation for Combined Recordings; Combined TEOAE and DPOAE Measurement; Concluding Comments; References; Index

Sommario/riassunto

Presenting the latest information on OAEs, from basic research to clinical applications, this is a concise, but comprehensive, resource. It covers the essentials of the subject from innovative and up-to-date perspectives. The material covered in the book is appropriate for intermediate and advanced students, and ideal for practitioners.
