

1. Record Nr.	UNINA990007968320403321
Autore	Hauschild, Jan-Christoph
Titolo	Heinrich Heine / von Jan-Cristoph Hauschild und Michael Werner
Pubbl/distr/stampa	München : Deutscher Taschenbuch Verlag, 2002
ISBN	3-423-31058-8
Descrizione fisica	159 p. : ill. ; 19 cm
Collana	Portrait
Altri autori (Persone)	Werner, Michael <1946- >
Disciplina	831.7
Locazione	FLFBC
Collocazione	831.7 HEINE/S 5
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910811781503321
Autore	Kramer Steven
Titolo	Audiology : science to practice / / Steven J. Kramer, David K. Brown
Pubbl/distr/stampa	San Diego : , : Plural Publishing, Incorporated, , 2021 ©2023
ISBN	1-63550-347-7
Edizione	[4th ed.]
Descrizione fisica	1 online resource (525 pages)
Altri autori (Persone)	BrownDavid K (Professor of audiology)
Disciplina	612.8/5
Soggetti	Hearing - physiology Hearing Disorders Audiology - methods Hearing Tests - methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Contributors -- Part I. Perspectives on the Profession of Audiology -- 1. The Discipline of Audiology -- Professional Organizations in the United States -- Development of the Profession of Audiology -- References -- 2. Audiology as a Career -- Education and Professional Credentials in the United States -- What Do Audiologists Do? -- Membership Demographics in the United States and Work Settings -- References -- Part II. Fundamentals of Hearing and Balance Science -- 3. Properties of Sound and Speech Acoustics -- Simple Vibrations and Sound Transmission -- Frequency -- Wavelength -- Other Factors That Affect Sound Propagation -- Phase -- Amplitude -- Intensity and Pressure -- Decibels -- Inverse Square Law -- Audibility by Frequency -- Complex Sounds -- Signal-to-Noise Ratio -- Resonance -- Acoustics of Speech -- Filtering -- Psychoacoustics -- References -- 4. Anatomy of the Auditory and Vestibular Systems -- Overview and General Orientation -- Outer Ear -- Middle Ear -- Inner Ear -- Neural Pathways -- References -- 5. Functions of the Auditory and Vestibular Systems -- Air-to-Fluid Impedance Mismatch -- Outer Ear -- Middle Ear -- Inner Ear (Cochlea) -- Cochlear Nerve -- Summary of the Auditory Transduction Process -- Tuning Curves -- Frequency Coding -- Intensity Coding -- Vestibular System -- References -- Part

III. Evaluation of the Auditory and Vestibular Systems -- 6. Preparation for Testing and Pure-Tone Audiometry -- Preparation for Testing -- Case History -- Otoscopy -- Pure-Tone Audiometry -- Test Environment -- Audiometers -- Transducers -- Air Conduction Versus Bone Conduction Testing -- Obtaining Pure-Tone Thresholds -- Variables Influencing Thresholds -- Variations With Young Children or Difficult-to-Test Populations -- References -- 7. Audiogram Interpretation -- Audiogram -- Describing Audiograms. Other Audiogram Situations to Consider -- Pure-Tone Average -- Decibel of Sensation Level -- References -- 8. Speech Audiometry -- Speech Testing Equipment and Calibration -- Speech Threshold Measures -- Word Recognition Score -- Interpreting Word Recognition Scores -- Speech-in-Noise Tests -- Variations With Young Children or Difficult-to-Test Populations -- References -- 9. Masking for Pure-Tone and Speech Audiometry -- Interaural Attenuation -- Maskers -- Making Decisions on When to Mask -- How to Mask for Air Conduction Pure-Tone Thresholds (Plateau Method) -- How to Mask for Bone Conduction Pure-Tone Thresholds (Plateau Method) -- Summary of Pure-Tone Masking Steps -- Masking Examples for Pure-Tone Thresholds -- Masking for Speech Audiometry -- References -- 10. Immittance -- Immittance Concepts -- Tympanometry -- Wideband Acoustic Immittance -- Acoustic Reflex Threshold -- Acoustic Reflex Decay -- References -- 11. Auditory Evoked Physiologic Responses -- Otoacoustic Emissions -- Auditory Brainstem Responses -- Auditory Steady-State Responses -- References -- 12. Screening for Hearing Loss -- Historical and Current Practice Guidelines -- Hearing Identification Programs -- Screening the Hearing of Newborns -- School-Age Children -- Adults -- Screening Outcomes and Efficacy -- References -- 13. Vestibular Evaluation and Bedside Screening -- Nystagmus -- Basic Test Battery -- Other Vestibular Tests -- Office/Bedside Screening -- References -- 14. Disorders of Hearing and Balance -- Describing Hearing Disorders -- Outer Ear -- Middle Ear -- Inner Ear (Cochlear) Acquired -- Auditory Nerve and Central Nervous System -- Nonorganic (Functional) Hearing Loss -- Tinnitus -- Vestibular System -- References -- Part IV. Treatment/Management of Hearing and Balance Problems -- 15. Hearing Aids -- Hearing Aid Dispensing. Workflow for the Selection and Fitting of Hearing Aids -- Assessment of Hearing Aid Candidacy-Step 1 -- Treatment Planning-Step 2 -- Selection and Fitting of Hearing Aids-Step 3 -- Basic Hearing Aid Styles -- Hearing Aid Programming -- Verification-Step 4 -- Orientation-Step 5 -- Validation-Step 6 -- Hearing Assistive Technology Systems -- References -- 16. Implantable Devices -- Bone-Anchored Implant -- Middle Ear Implant -- Cochlear Implant -- Auditory Brainstem Implant -- References -- 17. Other Treatments and (Re)habilitation of Hearing and Balance Disorders -- Cerumen Management -- Tinnitus -- Aural Habilitation -- Aural Rehabilitation -- Vestibular Rehabilitation -- References -- 18. Role of the Speech-Language Pathologist -- Collaboration -- Counseling -- Prevention and Wellness -- Screening -- Assessment -- Treatment -- Modalities, Technology, and Instrumentation -- Population and Systems -- References -- Glossary -- Index.

Sommario/riassunto

With two new chapters, improved artwork, and significant updates made throughout, the fourth edition of *Audiology: Science to Practice* continues to be the most comprehensive textbook for audiology and hearing science courses, as well as for health care professionals wanting a better understanding of hearing science and audiology practices. It is written in a style that makes new or difficult concepts

relatively easy to understand, while still providing more coverage of hearing and vestibular science and clinical audiology than other introductory texts.
