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	 5. IS TEMPORAL OR PLACE CODE THE BASIS FOR DISCRIMINATION OF FREQUENCY?6. CODING OF COMPLEX SOUNDS; 7. DIRECTIONAL HEARING; 8. EFFERENT SYSTEM; 9. NON-CLASSICAL PATHWAYS; 10. EFFECT OF ANESTHESIA; CHAPTER 7 Evoked Potentials from the Nervous System; 1. ABSTRACT; 2. INTRODUCTION; 3. NEAR-FIELD POTENTIALS FROM THE AUDITORY NERVOUS SYSTEM; 4. FAR-FIELD AUDITORY EVOKED POTENTIALS; CHAPTER 8 Acoustic Middle-ear Reflex; 1. ABSTRACT; 2. INTRODUCTION; 3. NEURAL PATHWAYS OF THE ACOUSTIC MIDDLE- EAR REFLEX; 4. PHYSIOLOGY; 6. CLINICAL USE OF THE ACOUSTIC MIDDLE- EAR REFLEX; 4. PHYSIOLOGY; 6. CLINICAL USE OF THE ACOUSTIC MIDDLE- EAR REFLEX; SECTION II REFERENCES SECTION III DISORDERS OF THE AUDITORY SYSTEM AND THEIR PATHOPHYSIOLOGYCHAPTER 9 Hearing Impairment; 1. ABSTRACT; 2. INTRODUCTION; 3. PATHOLOGIES OF THE COCHLEA; 5. IMPLICATIONS OF HEARING LOSS ON CENTRAL AUDITORY PROCESSING; 6. PATHOLOGIES FROM DAMAGE TO THE AUDITORY SYSTEM; 7. PATHOLOGIES OF THE CENTRAL AUDITORY NERVOUS SYSTEM; 7. PATHOLOGIES OF THE CENTRAL AUDITORY NERVOUS SYSTEM; 8. ROLE OF NEURAL PLASTICITY IN DISORDERS OF THE CENTRAL AUDITORY NERVOUS SYSTEM; CHAPTER 10 Hyperactive Disorders of the Auditory System; 1. ABSTRACT; 2. INTRODUCTION; 3. SUBJECTIVE TINNITUS 4. ABNORMAL PERCEPTION OF SOUNDS5. TREATMENT OF SUBJECTIVE TINNITUS; 6. TREATMENT OF HYPERACUSIS; CHAPTER 11 Cochlear and Brainstem Implants; 1. INTRODUCTION; 2. COCHLEAR IMPLANTS; 3. COCHLEAR NUCLEUS IMPLANTS; 4. ROLE OF NEURAL PLASTICITY; SECTION III REFERENCES; APPENDIX A Definitions in Anatomy; APPENDIX B Hearing CONSERVATION PROGRAMS; 3. ESTABLISHMENT OF NOISE STANDARDS; 4. MEASUREMENT OF NOISE; 5. PERSONAL PROTECTION; 6. NON-OCCUPATIONAL NOISE EXPOSURE; 7. EFFECT OF NOISE ON BODILY FUNCTIONS; APPENDICES REFERENCES List of Abbreviations
Sommario/riassunto	Hearing: Anatomy, Physiology and Disorders of the Auditory System provides detailed information about the anatomy and physiology of the entire auditory system and it describes important aspects of disorders of the middle ear, the cochlea, and the nervous system in a comprehensive manner. Most other textbooks on Hearing are focused on either the periphery or the central nervous system and rarely integrate anatomy and physiology with clinical issues. In the past years, it has become apparent that pathologies of the peripheral parts of the auditory system affect the function of the nervous