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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; 1. INTRODUCTION; 2. PURPOSE AND DESIGN OF 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