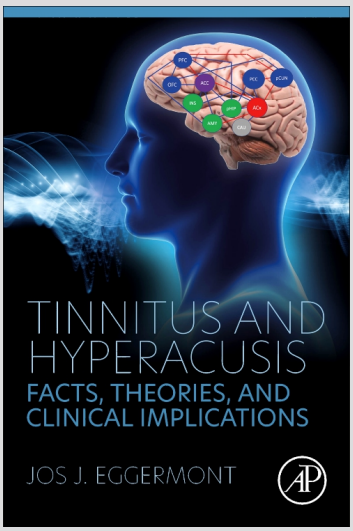

Tinnitus and Hyperacusis

Facts, Theories, and Clinical Implications

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AUDIENCE: Clinical Neuroscientists, Audiologists, Neuro-otologists; Neurologists, Clinical Psychologists. Anyone interested in the Neural mechanisms, Diagnosis and Treatment of tinnitus and hyperacusis. Academics and professionals dealing with auditory and neurological disorders involving hyperacusis and tinnitus
SHELVING CLASSIFICATIONS: Neuroscience, Sensory Systems
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A critical overview of the underlying mechanisms and potential treatments of tinnitus and hyperacusis

KEY FEATURES

- Describes epidemiology, etiology, and genetics of tinnitus and hyperacusis
- Compares animal data and human findings in activity of the limbic system
- Extensive discussion of nonauditory networks' role in tinnitus
- Discusses ten models of tinnitus and hyperacusis
- Presents overview of treatments of behavioral to noninvasive neuromodulation

DESCRIPTION

Tinnitus and Hyperacusis: Facts, Theories, and Clinical Implications provides a critical overview of the burgeoning field of research studying the underlying mechanisms and potential treatments for these two disorders. The book begins with an overview of the etiology and genetics behind tinnitus and hyperacusis. The author proposes two parallel neural pathways underlying these conditions and provides a basis for connecting animal research to human research. Neurotransmitters, neuromodulators and immediate early genes are discussed. The book also provides a detailed comparison of about a dozen models aiming at explaining tinnitus and hyperacusis, including the neurophysiological model, the neural synchrony model and the cortical map reorganization and filling-in model. Potential treatments of tinnitus and hyperacusis, from behavioral to non-invasive neuromodulation are discussed. This book is written for clinical neuroscientists, audiologists, neuro-otologists, neurologists and clinical psychologists.

TABLE OF CONTENTS