



# Hearing: Its Physiology and Pathophysiology

By Aage R. Møller

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## Hearing: Its Physiology and Pathophysiology By Aage R. Møller

There is a new trend in the education of audiologists that emphasizes the basics of hearing--**Hearing: Its Physiology and Pathophysiology** addresses this trend. It covers not only the basics of hearing but also the basics of pathophysiology, which is not covered in a comprehensive way in any other text today. This book recognizes the fact that the diseased auditory system does indeed function, but in a different way than the normal system. Few books have addressed the pathophysiology of the ear and the auditory nervous system. Most books on hearing begin with a detailed description of the physics of sound, which scares many readers away because they believe they need to understand acoustics to understand how the ear functions. **Hearing: Its Physiology and Pathophysiology** does not assume that the readers are physicists, which would be analogous to assuming that visual physiologists would need to know quantum mechanics to understand how the visual nervous system functions.

- \* This book provides a thorough understanding of the anatomy and function of the auditory system
- \* To the basic scientist, it will provide an understanding of the auditory system and how it works
- \* To the clinician, it will provide insight into the normal and diseased auditory system

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## Hearing: Its Physiology and Pathophysiology By Aage R. Moller Bibliography

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## **Editorial Review**

### Review

In **Hearing: Anatomy, Physiology, and Disorders of the Auditory System (Second Edition)**, Aage R. Møller aims to educate those who will be researching and diagnosing hearing disorders, as well as provide a general understanding of how this complex system works. The book offers an excellent foundation of anatomy and physiology of the system, and goes into great detail on disorders and diagnostic procedures. --Wafaa A. Kaf, M.D., PhD, CCC-A, Assistant Professor Missouri State University Communication Sciences & Disorders, Springfield, MO, BOOK REVIEWS AMERICAN ACADEMY OF AUDIOLOGY website. Rating: 4 out of 5 ears.

### From the Back Cover

**Hearing: Its Physiology and Pathophysiology** provides detailed information for individuals with diverse educational backgrounds. For the basic scientist, it provides an understanding of the auditory system and how it works. For the clinician, it provides insight into the normal as well as the diseased auditory system. It also provides essential information for those who design and implement technological developments that help the hearing-impaired.

The anatomy and physiology of the ear and the auditory nervous system are clearly presented so that they may be understood with minimal knowledge of the physics of sound (acoustics). **Hearing** describes the pathophysiology of disorders that affect the middle ear, the cochlea, the auditory nerve, and higher auditory nervous structures, including less common disorders such as acoustic tumors, bilirubinemia, and cortical lesions. Tinnitus is discussed in a separate chapter.

Clinicians, clinical researchers, and basic scientists will turn to **Hearing: Its Physiology and Pathophysiology** for a thorough understanding of the anatomy and function of the normal and the diseased auditory system.

### About the Author

Dr. Møller is currently the M.F. Jonsson Professor of Hearing, University of Texas at Dallas, the Callier Center for Communication Disorders. He was on the faculty of the University of Pittsburgh School of Medicine for 19 years, where he held positions as Research Professor of Otolaryngology and later of Neurological Surgery. From 1988 to 1997 he held the position of Professor of Neurological Surgery. He received his medical education at the Karolinska Institutet in Stockholm, Sweden, where he also held faculty positions for more than 10 years. Dr. Møller is founder and Editor-in-Chief of the international journal *Hearing Research*.

## **Users Review**

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#### **Donna Bauer:**

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**William Quesada:**

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