



Handbook of Central Auditory Processing Disorder, Volume I: Auditory Neuroscience and Diagnosis

By Frank E. Musiek, Gail D. Chermak

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Musiek and Chermak's two-volume, award-winning handbooks are back in newly revised editions. Extensively revised and expanded, Volume I provides comprehensive coverage of the auditory neuroscience and clinical science needed to accurately diagnose the range of developmental and acquired central auditory processing disorders in children, adults, and older adults. Volume II provides expanded coverage of rehabilitative and professional issues, detailing intervention strategies for children and adults.

Building on the excellence achieved with the best-selling 1st editions which earned the 2007 Speech, Language, and Hearing Book of the Year Award the second editions include contributions from world-renowned authors detailing major advances in auditory neuroscience and cognitive science; diagnosis; best practice intervention strategies in clinical and school settings; as well as emerging and future directions in diagnosis and intervention.

Exciting new chapters for Volume I include:

- Development of the Central Auditory Nervous System, by Jos J. Eggermont
- Causation: Neuroanatomic Abnormalities, Neurological Disorders, and Neuromaturational Delays, by Gail D. Chermak and Frank E. Musiek
- Central Auditory Processing As Seen From Dichotic Listening Studies, by Kenneth Hugdahl and Turid Helland
- Auditory Processing (Disorder): An Intersection of Cognitive, Sensory, and Reward Circuits, by Karen Banai and Nina Kraus
- Clinical and Research Issues in CAPD, by Jeffrey Weihsing, Teri James Bellis, Gail D. Chermak, and Frank E. Musiek
- Primer on Clinical Decision Analysis, by Jeffrey Weihsing and Sam Atcherson
- Case Studies, by Annette E. Hurley
- The CANS and CAPD: What We Know and What We Need to Learn, by Dennis P. Phillips

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Editorial Review

Review

"These books provide a wealth of evidence-based information to address the fact that, despite awareness of an auditory-specific perceptual disorder (APD or CAPD) in children and adults for more than 60 years, a consistent approach to diagnosis and treatment has yet to be determined.

Volume 1 provides information about the auditory neuroscience and clinical science needed for diagnosis; volume 2 details intervention strategies, rehabilitation and professional issues.

Both volumes emphasise the need for a multidisciplinary approach involving audiologists, SLTs, teachers, psychologists and physicians for assessment, differential diagnosis and intervention.

Case studies provide an invaluable insight for clinicians into how those with APD may present and provide a framework for assessment and intervention. Sharing relevant case studies with parents and carers could be a helpful way of offering support and hope in an area where I have found limited awareness as a clinician and parent." --Fiona Ford, Specialist SLT, The Orchards Primary Academy, Birmingham, Royal College of Speech & Language Therapists

"The addition of several new chapters to the Handbook of Auditory Processing Disorders Volume 1 is a significant enhancement and expansion of the first edition. The general layout and writing is consistently high quality throughout the book...

The initial section on auditory neuroscience has excellent chapters by Jos Eggermont on central auditory system development and by Phillips on central auditory neuroscience. These two chapters provide a strong basic science underpinning to the remainder of the book...

Dr. Philips chapter on psychoacoustic considerations is a relatively comprehensive review of the area. It serves as an excellent refresher for those who have not reviewed the area recently. This chapter is one of the more important chapters in the book, as the evaluation of auditory processing is the clinical adaptation of psychoacoustic test procedures. Anyone working in the area of auditory processing disorders needs to understand the underlying principles of evaluating the system and recognize those principles in the tests that they are utilizing.

The chapter by Hugdahl and Helland on dichotic listening and attention provides a detailed review of the area and ties nicely with the more clinically based Chapter 11 on dichotic listening tests. Several of the points made in this chapter have significant impact on how we should view dichotic listening tests as well as the administration of the dichotic tests to obtain maximum information. From the reviewer's perspective this chapter was one of the most thought provoking in the book and it has led to my re-evaluation of dichotic testing procedures and interpretation...

The additional chapters and modification in this edition provide a step forward in content rather than just a simple rehash of old material on CAPD. The book should be viewed as an excellent supplemental text for other areas of audiology as many of the chapters provide discussions that pertain to a wide range of audiologic concerns." --Herbert Jay Gould, PhD, Associate Professor, School Communication Sciences and Disorders, The University of Memphis, (Spring 2015)

About the Author

Frank E. Musiek, PhD, is Professor and Director of Auditory Research in the Department of Communications Sciences, and Professor of Otolaryngology in the School of Medicine at the University of Connecticut. He is the 2007 Recipient of the James Jerger Career Award for research in Audiology, and recipient of the 2007 Book of the Year Award for his two-volume text, *Handbook of Central Processing Disorder*, co-edited with Gail Chermak. He has published over 140 refereed articles, 39 book chapters, and 8 books in the areas of auditory evoked potentials, central auditory disorders, and auditory neuroanatomy/physiology.

Dr. Gail D. Chermak is professor and chair of the Department of Speech and Hearing Sciences at Washington State University. She held the Washington State University College of Liberal Arts Edward R. Meyer Distinguished Professorship in 1999-2002 and she received the College's Distinguished Faculty Award in 2002. She holds the Certificate of Clinical Competence in Audiology, and she is a fellow of the American Academy of Audiology (AAA) and the American Speech-Language-Hearing Association (ASHA). She is included in several major American and international biographical listings. Funded by the Kellogg Foundation, the World Institute on Disability, and the Fulbright American Republics Research Program, she has traveled extensively, consulting with public and private agencies in the area of rehabilitation service delivery. She has chaired and served on a number of national professional committees and task forces, including the ASHA Work Group on Central Auditory Processing Disorder (CAPD), which recently completed a technical report and position statement. Presently, she serves on the AAA's CAPD Task Force.

Users Review

From reader reviews:

Karen Keegan:

The reason why? Because this *Handbook of Central Auditory Processing Disorder, Volume I: Auditory Neuroscience and Diagnosis* is an extraordinary book that the inside of the e-book waiting for you to snap that but latter it will distress you with the secret the idea inside. Reading this book next to it was fantastic author who have write the book in such incredible way makes the content inside easier to understand, entertaining means but still convey the meaning thoroughly. So , it is good for you because of not hesitating having this anymore or you going to regret it. This excellent book will give you a lot of advantages than the other book include such as help improving your talent and your critical thinking approach. So , still want to hold off having that book? If I have been you I will go to the guide store hurriedly.

Christopher Mills:

Your reading sixth sense will not betray anyone, why because this *Handbook of Central Auditory Processing Disorder, Volume I: Auditory Neuroscience and Diagnosis* publication written by well-known writer who really knows well how to make book that could be understand by anyone who have read the book. Written within good manner for you, dripping every ideas and composing skill only for eliminate your own hunger then you still doubt *Handbook of Central Auditory Processing Disorder, Volume I: Auditory Neuroscience and Diagnosis* as good book not merely by the cover but also by content. This is one book that can break don't judge book by its deal with, so do you still needing a different sixth sense to pick that!?! Oh come on your examining sixth sense already alerted you so why you have to listening to one more sixth sense.

Richard Linneman:

In this period of time globalization it is important to someone to get information. The information will make you to definitely understand the condition of the world. The condition of the world makes the information much easier to share. You can find a lot of personal references to get information example: internet, paper, book, and soon. You can see that now, a lot of publisher which print many kinds of book. Typically the book that recommended for your requirements is Handbook of Central Auditory Processing Disorder, Volume I: Auditory Neuroscience and Diagnosis this guide consist a lot of the information of the condition of this world now. This particular book was represented how does the world has grown up. The dialect styles that writer use to explain it is easy to understand. The particular writer made some investigation when he makes this book. Here is why this book ideal all of you.

Hugo Carter:

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