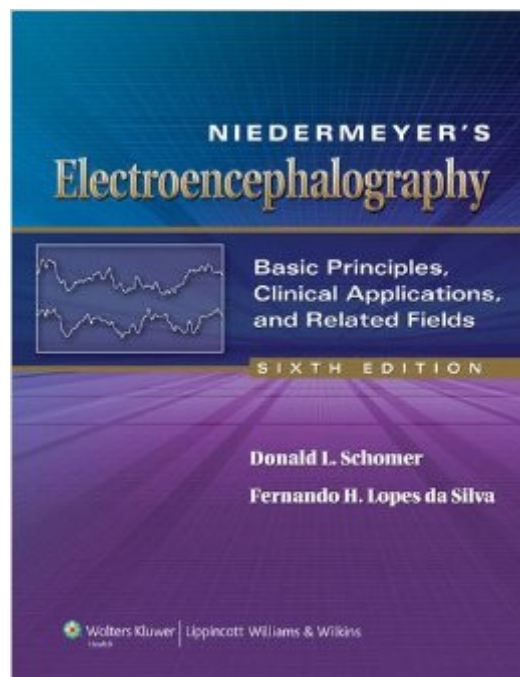


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Niedermeyer's Electroencephalography: Basic Principles, Clinical Applications, And Related Fields



Synopsis

The leading reference on electroencephalography since 1982, Niedermeyer's *Electroencephalography* is now in its thoroughly updated Sixth Edition. An international group of experts provides comprehensive coverage of the neurophysiologic and technical aspects of EEG, evoked potentials, and magnetoencephalography, as well as the clinical applications of these studies in neonates, infants, children, adults, and older adults. With this edition, Dr. Niedermeyer turns over the reins of lead editor to Donald Schomer, MD, Professor of Neurology at Harvard Medical School. Dr. Schomer has updated the technical information and added a major new chapter that identifies and demonstrates a wide variety of artifacts. Other highlights include a chapter on integrating other recording devices with EEG; chapters on transcranial electrical and magnetic stimulation; complete coverage of EEG in the intensive care unit; a new chapter on EEG/TMS in evaluation of cognitive and mood disorders; and new chapters on sleep in premature infants, children and adolescents, and the elderly. A companion website includes fully searchable text and image bank.

Book Information

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Customer Reviews

I grew up reading the EEG book written initially by Drs. Klauss and Daly from Mayo which is currently edited by Drs. Ebersole and Pedley. It is a model of clarity, like an old friend, whom you can turn for advise. That being said, I started reading Dr. Nidermeyer's book on being encouraged by my mentor and I find some pleasant surprises: The Good: 1. It has more comprehensive coverage

and includes current topics like high frequency oscillations or infra-slow cortical potentials. The discussion on EEG source localization is updated and informative.² It has fairly decent introductory chapters on MEG and EEG based brain-computer interface systems.³ Some other smaller details are mentioned, which might be omitted in other textbooks e.g. EEG findings in less frequently seen epilepsy syndromes like MAE or EMWA; and, epileptiform K-complexes in JME. The Not so good:¹. Sometimes the book is not very readable and assumes a fair amount of background knowledge. On the whole, a wonderful, comprehensive treatise on EEG. It is a treat to read, though not for the beginner. As an aside, Dr. Blume referred to it as a 'monstrous textbook' in his awesome lecture during recent AES 2011 !! (Author is with Comprehensive Epilepsy Program at Cincinnati Children's Hospital Medical Center, Cincinnati, OH)

The text of the book of course is excellent. This review has to do with the kindle edition, which makes some effort at reproducing graphics on the downloaded file in colour. Unfortunately the images have been mindlessly down-sized in resolution by whatever image processor is used to be very blurry and completely sub-par for a book that obviously requires sharp, crisp images. Purchasers of this book on the kindle (especially Kindle for iPad) would expect to be able to see the images in as sharp detail as in the hardcopy edition, and would be well aware that there will be a trade-off in terms of more memory used on their devices. Unfortunately the publishers for Kindle clearly did not take this into consideration and over-compressed the images in the file and therefore the textbook is not very useable. I would very happily take a file that was much larger and slower to download for better image quality, especially when I am paying so much for this textbook. Hopefully they will address this in an update, but I'm not holding my breath. Very disappointing as I was hoping that this would be the beginnings of electronic medical textbooks being usable. Caveat emptor.

This is essential book for a clinical neurophysiologist. This ebook version has bad low resolution figures making it useless because fine EEG curves should / must be reproduced in high resolution. There also seems to be some wrong figures. Also, the concept of this kind of ebooks should be further developed to be really useful in clinical practice. It is very difficult to find certain themes if you are in a hurry (some problem with the hard covers version also ;).

There aren't many specific books in this area and Niedermeyer's Electroencephalography does an excellent approach between basic and advanced knowledge. It is not for beginners. Covers all the

subject.

The book itself... well it's the book (*****). On Kindle, though, the figures (especially the Tables) are not really legible, the resolution is too low!

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