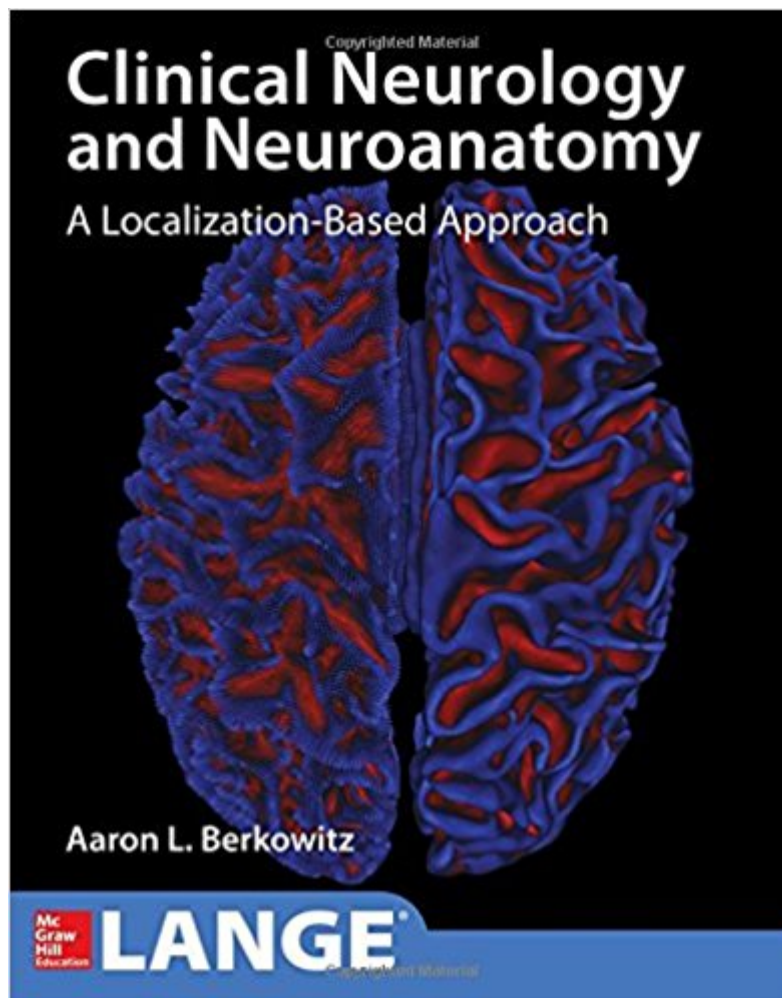




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Lange Clinical Neurology And Neuroanatomy: A Localization-Based Approach



Synopsis

An engagingly written text that bridges the gap between neuroanatomy and clinical neurology

“One of the best modern outlooks on the pragmatic practice of neurology ... far superior to existing books of its size and scope because of the thoughtfulness with which the knowledge about diseases and neurological conditions has been assembled ... addressing almost every major point that is encountered on the wards and in the clinic.”

From the Foreword by Allan H. Ropper, MD, Executive Vice Chair of Neurology, Brigham and Women's Hospital; and Professor of Neurology, Harvard Medical School

Clinical Neurology and Neuroanatomy delivers a clear, logical discussion of the complex relationship between neuroanatomical structure and function and neurologic disease. Written in a clear, concise style, this unique text offers a concise overview of fundamental neuroanatomy and the clinical localization principles necessary to diagnose and treat patients with neurologic diseases.

Unlike other neurology textbooks that either focus on neuroanatomy or clinical neurology, Clinical Neurology and Neuroanatomy integrates the two in manner which simulates the way neurologists learn, teach, and think. Clinical Neurology and Neuroanatomy is divided into two main sections. In Part 1, clinically relevant neuroanatomy is presented in clinical context in order to provide a framework for neurologic localization and differential diagnosis. The diseases mentioned in localization-based discussions of differential diagnosis in Part 1 are then discussed in clinical detail with respect to their diagnosis and management in Part 2.

Part 1 can therefore be consulted for a neuroanatomical localization-based approach to symptom evaluation, and Part 2 for the clinical features, diagnosis, and management of neurologic diseases.

FEATURES

- A clear, concise approach to explaining the complex relationship between neuroanatomical structure and function and neurologic disease
- Numerous full-color illustrations and high resolution MRI and CT scans
- Explanatory tables outline the clinical features, characteristics, and differential diagnosis of neurologic diseases and disorders

REVIEWS

"The high point of this book is the author's ability to explain concepts logically and practically, using clear language that gets straight to the point, something that is often missing in other texts. This is exemplified in the author's approach to explaining clinically relevant brainstem and cranial nerve anatomy in chapters 9 through 14."

Emer R. McGrath, MB, PhD, review in *Neurology* 2017;88:e182

"The fact that [this book] was written by a single author is not only impressive, but also lends excellent consistency to the text, with emphasis on clinical pearls and the avoidance of minutiae. For example, the stroke chapter describes the role of the ABCD2 score, contains discussion of the difficult issue of when anticoagulation might occasionally be used in the acute setting, and describes the uncommon but

important phenomenon of amyloid spells." — Justin A. Sattin, MD, review in "The Ghost of Charcot" blog (www.ghostofcharcot.net)
AUTHOR Aaron Berkowitz, MD, PhD - Department of Neurology, — Brigham and Women's Hospital; — Assistant Professor, Harvard Medical School.

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Aaron Berkowitz, MD, PhD (Boston, MA) — Department of Neurology, — Brigham and Women's Hospital; — Assistant Professor, Harvard Medical School. —

Let me quote from Dr Berkowitz's book, a beautiful paragraph on the explanation of how OKN strip works: "The saccadic (frontal) and smooth pursuit (parietal) systems can be tested by evaluating the optokinetic reflex.[...] in order for the patient to continue following [the OKN strip], the patient must make saccades in the direction opposite the direction of movement of the strip [...] when moving the OKN strip from left to right, the eyes follow smoothly to the right with interrupting saccades back to the left. The pursuit in the direction that the OKN strip is moving/drum is turning is supported by the parietal lobe ipsilateral to the direction that the strip is moving[...] saccades in the opposite direction from the direction of motion of the OKN strip (left in this example) are supported by the frontal lobe ipsilateral to the direction of movement of the OKN strip." Few textbooks have managed to capture the essence of neurophysiology and combined it with correlative neuroanatomy and bedside neurology like this. Approach to the clinical anatomy of eye movements and evaluation of vertigo are not only top notch, but also well illustrated and includes detailed description of bedside tests like the HiNTS which have gathered great evidence base by now. The introduction to Neuroimaging is complete with a wonderful discussion on MRI basics which is targeted at beginners of any residency. As an educator, Dr Berkowitz knows all the topics that neuro residents are frequently quizzed on the wards, and on the in-training exams and boards. Chapters on approach to foot drop, plexopathy (look up the mention on radiation plexopathy, a RITE favorite), and great tables on epilepsy syndromes etc are testimony to this. Illustrations are derived largely from Aminoff and Adam and Victor's which adds to the accessibility of the book. I am assuming that Dr Berkowitz, in the coming editions, will bring out a collection of clinical signs and neuroexam demos in a multimedia format to complement this already awesome production. I highly recommend this textbook to all neuro-enthusiasts, students, residents and even attendings who want to brush up on areas they weren't fortunate enough to have had a good grasp on during residency.

I am currently reading this book because I will be working in Neurology soon. It is a comprehensive review of the clinical exam and common Neurological conditions. I would recommend it for a novice provider.

One of the best resources for all levels of Neurology training. Have recommended this to a few fellow residents and we have all found it extremely useful! Definitely recommend!

Superb.

EXCELLENT.

I'm about 150 pages in and this is THE BOOK I've been looking for ever since I was a third year medical student (I'm currently 4th year neurology resident). This book is pearl after pearl. It's like re-living my last 2.5 years of neurology residency only with much clearer explanations for everything. There have been so many times in residency I've turned to google or flipped through the massive other neurology textbooks I have to try and figure out exactly what the difference is between cocaine/apraclonidine eye drops, remind myself exactly how to distinguish a supranuclear gaze palsy from infranuclear etc etc and often only after a long time searching do I find a partial answer. But it's literally all there in this textbook AND it is written very clearly in a way that I don't have to read the same paragraph over and over to make sense of it. Also the length of each chapter is super digestible -- way less intimidating than hundreds of pages on the brainstem! It is also written in such a way that it not only provides the information but also provides ways to understand and remember the information. I wish I'd had this book at the beginning of my residency -- but nonetheless I'm overjoyed to have it as a resource now and after I finish reading it cover to cover I am certain I will be referring back to it frequently. It is a must have for all neurology residents and any medical students eager to really learn neurology.

I am a neurology resident in my last few months of training who just finished reading this book and I cannot recommend it highly enough. Clinical Neurology and Neuroanatomy is incredibly high-yield and has a level of detail and clinical relevance that is perfect for neurology trainees and students. I haven't come across any other text quite like it. It systematically addresses all the clinical topics I have encountered in residency (and many topics that I have not yet encountered but need to learn). And at the same time, it is very concise and conversational, which made it enjoyable and (dare I say it) quick to read even after long hospital shifts. I felt this book laid out everything that I "need to know" by the end of residency and has given me a great framework to build upon going forward. And reading it was satisfying. The author has the rare gift of being able to make complex concepts tenable and memorable (How do we diagnose different disorders of eye movements? What's the reasoning behind the apraclonidine/hydroxyamphetamine tests for Horner's?) using elegant explanations, very high yield tables, and occasional silly mnemonics. I can FINALLY draw the brachial plexus from memory because of the way Dr. Berkowitz explained it in this book. And I know I'll be referencing the many extremely useful tables in this book (roots and nerves of the arms and legs; major features of major MS drugs; paraneoplastic antibody mediated syndromes; childhood

epilepsy syndromes; types of acute and chronic neuropathies; hereditary myopathies; major features of muscular dystrophies, etc etc.) as I study for the neurology boards and practice in the future. Absolutely worth reading and keeping for reference.

Aaron Berkowitz just got it. This is the ultimate companion for med students and neuro residents.

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