



Diseases of the Nervous System

Harald Sontheimer

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The study of the brain continues to expand at a rapid pace providing fascinating insights into the basic mechanisms underlying nervous system illnesses. New tools, ranging from genome sequencing to non-invasive imaging, and research fueled by public and private investment in biomedical research has been transformative in our understanding of nervous system diseases and has led to an explosion of published primary research articles.

Diseases of the Nervous System summarizes the current state of basic and clinical knowledge for the most common neurological and neuropsychiatric conditions. In a systematic progression, each chapter covers either a single disease or a group of related disorders ranging from static insults to primary and secondary progressive neurodegenerative diseases, neurodevelopmental illnesses, illnesses resulting from nervous system infection and neuropsychiatric conditions. Chapters follow a common format and are stand-alone units, each covering disease history, clinical presentation, disease mechanisms and treatment protocols. Dr. Sontheimer also includes two chapters which discuss common concepts shared among the disorders and how new findings are being translated from the bench to the bedside. In a final chapter, he explains the most commonly used neuroscience jargon. The chapters address controversial issues in current day neuroscience research including translational research, drug discovery, ethical issues, and the promises of personalized medicine.

This book provides an introduction for course adoption and an introductory tutorial for students, scholars, researchers and medical professionals interested in learning the state of the art concerning our understanding and treatment of diseases of the nervous system.

- Provides a focused tutorial introduction to the core diseases of the nervous system
- Includes comprehensive introductions to Stroke, Epilepsy, Alzheimer's Disease, Parkinson's Disease, Huntington's Disease, ALS, Head and Spinal Cord Trauma, Multiple Sclerosis, Brain Tumors, Depression, Schizophrenia and many other diseases of the nervous system
- Covers more than 40 diseases from the foundational science to the best treatment protocols
- Includes discussions of translational research, drug discovery, personalized medicine, ethics, and neuroscience



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Andrew Sessions:

This Diseases of the Nervous System is great e-book for you because the content that is certainly full of information for you who else always deal with world and also have to make decision every minute. This book reveal it facts accurately using great manage word or we can point out no rambling sentences within it. So if you are read the idea hurriedly you can have whole details in it. Doesn't mean it only provides straight forward sentences but hard core information with wonderful delivering sentences. Having Diseases of the Nervous System in your hand like obtaining the world in your arm, information in it is not ridiculous one. We can say that no e-book that offer you world within ten or fifteen tiny right but this e-book already do that. So , it is good reading book. Heya Mr. and Mrs. hectic do you still doubt in which?

Kerry Diaz:

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