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Olszewski and Baxter’s Cytoarchitecture of the Human Brainstem

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Editors
Jean A. Büttner-Ennever
Anja K.E. Horn

The new revised and extended edition of this standard work retains all the original and unique low- and high-power photographs which document the organization of the human brainstem as well as the individual character of the neurons of each nucleus. Many structural differences are described in neuronal groups, indicating as yet unrecognized functional differences. Furthermore unique details of the neuronal organization and cytoarchitecture are featured, providing clues to the functional properties of the cell groups and stimulating research projects.

Nomenclature and nuclear borders have been updated, in addition the text now contains new sections presenting an up-to-date summary of the functional neuroanatomy of each nucleus.

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An amazing and fascinating look at neurological conditions in fiction and film

Literary Medicine: Brain Disease and Doctors in Novels, Theater, and Film

Editors
Julien Bogousslavsky
Sebastian Dieguez

Classical and modern literature is full of patients with interesting neurological, cognitive, or psychiatric diseases, often including detailed and accurate descriptions, which suggests the authors were inspired by observations of real people. In many cases these literary portrayals of diseases even predate their formal identification by medical science. Fictional literature encompasses nearly all kinds of disorders affecting the nervous system, with certain favorites such as memory loss and behavioral syndromes. There are even unique observations that cannot be found in scientific and clinical literature because of the lack of appropriate studies. Not only does literature offer a creative and humane look at disorders of the brain and mind, but just as authors have been inspired by medicine and real disorders, clinicians have also gained knowledge from literary depictions of the disorders they encounter in their daily practice. This book provides an amazing and fascinating look at neurological conditions, patients, and doctors in literature and film in a way which is both nostalgic and novel.

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Diagnostic ultrasound has become an elementary tool for evaluating cerebrovascular diseases and plays a prominent role in routine clinical practice. Many publications attempt to cover the continuous progress of its diagnostic and even therapeutic applications. However, the impact ultrasound has made in recent years in the fields of animal studies and human research is less well known. This publication provides an overview on exciting current attempts in neurological diseases, ranging from experimental approaches to established imaging modes ready to be incorporated into the routine of daily practice. The first part of the book concentrates on basic principles of neurosonology and focuses on contrast imaging, specific ultrasound contrast agents and safety aspects. The following chapters deal with different vascular ultrasound applications, allowing an optimized characterization of atherosclerotic disease and monitoring of cerebral autoregulation. In addition, the role of parenchymal ultrasound imaging in cerebrovascular diseases and movement disorders is illustrated. The final chapters look at promising new therapeutic approaches implementing ultrasound although they are still no more than experimental. The book can be highly recommended to clinical neurologists with good knowledge in clinical ultrasound who wish to gain a compact and updated insight into the plethora of capabilities of neurosonology in the future.
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