Brain Imaging in Behavioral Medicine and Clinical Neuroscience

Rapid developments in brain neuroimaging methods have occurred over the past decade. These advances have revolutionized cognitive and behavioral neuroscience, and are likely to have major influence on clinical psychological, psychiatric, and neurological practice over the coming years. There are a number of excellent books that focus on specific neuroimaging methods, such as fMRI. Furthermore, cognitive and neuroscience texts have increasingly incorporated functional brain neuroimaging. Yet, there are few books to date that consider and review emerging research in the application of brain neuroimaging methods for the study and assessment of behavioral and cognitive disorders. This book provides a broad coverage of current research trends in the clinical application of brain neuroimaging methods in the context of behavioral medicine, neuropsychology, and related areas of medical psychology. It uniquely integrates current neuroimaging methods and studies with current behavioral medicine research, and presents knowledge derived from recent developments in the fields of functional and structural brain imaging. By integrating information from experimental behavioral medicine with clinical insights, this book will serve as a source book for neuropsychologists, psychologists, neurologists, psychiatrists, and other professionals in both clinical practice and academic context.

Features
- No other book currently addresses the application of brain imaging to behavioral medicine, despite the large number of research projects that have been initiated over the past several years
- Introduces clinical psychologists and clinical behavioral scientists to brain neuroimaging methods and applications

Fields of interest
Neuropsychology; Neuroradiology

Target groups
Research

Type of publication
Contributed volume

Identifying, Assessing, and Treating Early Onset Schizophrenia at School

By itself or in combination with an affective disorder, early onset schizophrenia (EOS) – the onset of symptoms before 18 years of age – can create severe deficits in young people’s academic performance, family and peer relationships, and even the ability to acquire new skills. The relative rarity of the condition, meanwhile, can leave school personnel unsure of how to meet – or even recognize – student needs.

Identifying, Assessing, and Treating Early Onset Schizophrenia at School emphasizes the importance of providing teachers and students alike with the support needed to enhance academic performance and improve social skills of children and adolescents with EOS within educational settings. In addition, its evidence-based framework enables school professionals to achieve greater confidence and accuracy in identifying students with EOS and provide appropriate services, both in special education and general classes.

Features
- Only recently published book on this topic
- Introduces clinical psychologists and clinical behavioral scientists to brain neuroimaging methods and applications
- Provides numerous case studies

Fields of interest
Child and School Psychology; Psychiatry; Pediatrics

Type of publication
Handbook
Handbook of Behavioral Medicine
Methods and Applications

Associate editors: K. Freedland, J. R. Jennings, M. M. Llabre, S. B. Manuck, E. J. Susman

Many books about behavioral medicine techniques and applications published in the past are now outdated, and do not reflect the diversity and excitement of the field in the new millennium. This Handbook aims to fill this gap by providing an up-to-date survey of methods and applications across the broad range of behavioral medicine research and practice. The chapters will be written by fellows of the Academy of Behavioral Medicine Research, a distinguished scientific society of active behavioral medicine researchers. This book will reflect an innovative structure based on cutting-edge methodologies and applications that are relevant across different medical conditions. The book will focus on established and emerging methods of investigation and their application in clinical and basic research settings. This will provide researchers and practitioners with practical advice on methods that can be used in their work, and insights into the scientific knowledge underpinning these applications. Aviolar, psychosocial and biomedical science knowledge and techniques relevant to the understanding health and illness, and the application of this knowledge and these techniques to prevention, diagnoses, treatment and rehabilitation.

Features
- Written by a diverse and respected panel of researchers representing the Academy of Behavioral Medicine Research
- Surveys the current field of behavioral medicine research and applications using an innovative structure which captures cutting edge practices

Fields of interest
Health Psychology; Public Health; Psychopharmacology

Target groups
Research

Type of publication
Handbook

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