Stroke Treatment and Prevention
An Evidence-based Approach
Graeme Hankey
Royal Perth Hospital, Australia

This invaluable reference provides clinicians caring for stroke patients with evidence for best practice in stroke treatment and secondary prevention. It describes all available treatments, and, where available, the highest level of evidence for their safety and effectiveness. The evidence for each treatment is followed by the author’s interpretations, and the implications of the evidence in the care of stroke patients. This is therefore an essential resource for clinicians, translating into practice advances that have been made in the treatment and prevention of stroke, and suggesting the most appropriate interventions.

Features
• Sets out best evidence for all stroke treatments
• Draws on Cochrane data where available
• Aids to interpretation of evidence and implementation in daily practice

Contents:

2005 488pp 217 illustrations
978 0 521 82719 5 (0 521 82719 1) • HB • £80.00

Magnetic Resonance Imaging in Stroke
Edited by Stephen Davis
Royal Melbourne Hospital and University of Melbourne, Australia
Marc Fisher and Steven Warach
Both of National Institute of Mental Health, Bethesda, Maryland, USA

Advances in magnetic resonance imaging (MRI) are transforming the investigation and treatment of cerebrovascular disease. Echoplanar techniques with diffusion and perfusion weighted imaging, together with developments in magnetic resonance spectroscopy and angiography, are replacing CT scanning as the diagnostic modality of choice. In this profusely illustrated book world leaders in these technologies review the scientific basis and clinical applications of MRI in stroke. It will appeal to a broad readership including stroke physicians, neurologists, neurosurgeons, rehabilitation specialists, and others with a clinical or research interest in cerebrovascular disease.

“This book provides a good overview of the use of MRI in stroke and is of educational benefit to both clinicians and radiologists involved in the care of patients with stroke and has started to take on some very important issues …”

NEURORADIOLOGY

Contents:

2003 280pp 127 illustrations
978 0 521 80683 1 (0 521 80683 6) • HB • £90.00
New Edition

The Clinical Neuropsychiatry of Stroke

Cognitive, Behavioral and Emotional Disorders following Vascular Brain Injury

2nd edition

Robert G. Robinson
College of Medicine, University of Iowa, USA

This fully revised new edition covers the range of neuropsychiatric syndromes associated with stroke, including cognitive, emotional and behavioural disorders such as depression, anxiety and psychosis. Since the last edition there has been an explosion of published literature on this topic and the book provides a comprehensive, systematic and cohesive review of this new material. There is a growing recognition among a wide range of clinicians and allied healthcare staff that post-stroke neuropsychiatric syndromes are common and serious. Such complications can have a negative impact on recovery and even survival.

Review from 1st edition:

‘A helpful and ‘compendious’ review and reference source – and in these days of multi-authorship, the more remarkable for being a one-author work.’

INTERNATIONAL JOURNAL OF GERIATRIC PSYCHIATRY

Features

• Revised and updated to reflect the explosion of relevant research
• Comprehensive, cohesive and systematic presentation from a leading researcher in the field
• Describes the most recent studies in pre-emptive and preventive therapeutic interventions

Contents:


January 2006 512pp 140 illustrations

Recovery after Stroke

Edited by Michael P. Barnes
University of Newcastle upon Tyne, UK
Bruce H. Dobkin
University of California, Los Angeles, USA
Julien Bogousslavsky
Université de Lausanne, Switzerland

One third of people after stroke, having survived the first few weeks, return home with significant residual disability, and can therefore benefit from an active, multidisciplinary rehabilitation programme. This is a comprehensive guide to rehabilitation after stroke. It sets out the basic neuroscientific principles that underlie brain recovery, with chapters on neural plasticity and neural imaging, and describes appropriate rehabilitation strategies for the many different functional problems that can arise after stroke. It is an essential reference for all members of the multidisciplinary stroke rehabilitation team.

Features

• Most comprehensive guide available to rehabilitation after stroke
• Covers all the important post-stroke syndromes, together with relevant basic neuroscience
• Written by world authorities, for the entire multidisciplinary rehabilitation team

Contents:


2005 668pp 43 illustrations

978 0 521 82236 7 (0 521 82236 X) • HB • £100.00
A comprehensive coverage of the science and practice of neurological rehabilitation. This volume, *Neural Repair and Plasticity*, covers the basic sciences relevant to recovery of function following injury to the nervous system, reviewing plasticity in the normal CNS, mechanisms of neuronal death, axonal regeneration, stem cell biology, and neuron replacement. Edited and written by leading international authorities, it is an essential resource for neuroscientists and provides a foundation for the work of clinical rehabilitation professionals.

**Contents:**
Also of Interest

The A-Z of Neurological Practice
Roger A. Barker
Cambridge Centre for Brain Repair
Neil Scolding
Frenchay Hospital, Bristol, UK

This is a pocket-sized ready-reference to neurology. Organised from A to Z, the content consists of a series of entries, each one describing, in a readable and accessible style, an aspect of neurology. This ranges from providing overviews of major groups of diseases (e.g. the dementias) to more detailed coverage of specific disease categories (e.g. Alzheimer’s disease). Specific neurological conditions are described according to a very structured template covering the definition of the condition, its clinical features, investigation, pathogenesis and treatment, finishing with a small number of relevant and up-to-date references. In addition, there are hints about differential diagnosis with extensive cross referencing between entries. This will become an essential resource for those undertaking training in neurology, will be of interest to those with interests closely allied to neurology (e.g. neurosurgery, neurorehabilitation).

Features
• Succinct and structured coverage of neurology
• Organised for ease of access and navigation

Diseases of the Nervous System
Clinical Neuroscience and Therapeutic Principles
Third edition

Edited by Arthur K. Asbury
University of Pennsylvania School of Medicine, USA
Guy M. McKhann
The Johns Hopkins University School of Medicine, Baltimore, USA

The most comprehensive, up-to-date, reference on diseases of the nervous system currently available. Now in its third edition, the two-volume text is packed with details on the clinical presentations of the neurological disorders, with a focus on the underlying mechanisms that lead to these disorders.

Contents: Part I. Introduction and General Principles; Part II. Disorders of Higher Function; Part III. Disorders of Motor Control; Part IV. Disorders of the Special Senses; Part V. Disorders of Spine and Spinal Cord; Part VI. Disorders of Body Function; Part VII. Headache and Pain; Part VIII. Neuromuscular Disorders; Part IX. Epilepsy; Part X. Cerebrovascular Disorders; Part XI. Neoplastic Disorders; Part XII. Autoimmune Disorders; Part XIII. Disorders of Myelin; Part XIV. Infections; Part XV. Trauma and Toxic Disorders; Part XVI. Degenerative Disorders; Part XVII. Neurological Manifestations of Systemic Conditions.

Clinical MR Neuroimaging

Diffusion, Perfusion and Spectroscopy
Edited by Jonathan H. Gillard
University of Cambridge, UK
Adam D. Waldman
Charing Cross Hospital, London, UK
and Peter B. Barker
The Johns Hopkins University, Baltimore, USA

The physiological magnetic resonance techniques of diffusion imaging, perfusion imaging and spectroscopy offer insights into brain structure, function and metabolism. This book provides the reader with a thorough review of the underlying physical principles of each of these methods, as well as comprehensive coverage of their clinical applications. Topics covered include single- and multiple-voxel MRS techniques, MR perfusion based on both arterial spin labelling and dynamic bolus tracking approaches, and diffusion-weighted imaging, including techniques for mapping brain white matter fiber bundles. Clinical applications are reviewed in depth for each technique, with case reports included throughout the book. Attention is also drawn to possible artifacts and pitfalls associated with these techniques.

Features
• Comprehensive review of advanced MRI techniques and applications
• Explains clinical applications
• Case reports included throughout the book

2005 BMA Medical Book Competition
Highly Commended

2005 BMA Medical Book Competition
Highly Commended
In this book a team of eminent clinicians, neurologists and researchers from Britain, Europe and Canada provide an up-to-the-minute account of all aspects of stroke and cerebrovascular disease in children, ranging from a historical perspective to future directions, through epidemiology, the latest neuroimaging techniques, neurodevelopment, co-morbidities, diagnosis and treatment. The authors’ practical approach to the clinical problems makes this essential reading for practising clinicians. It will also be of interest to researchers in the field.

Contents:

International Review of Child Neurology (Mac Keith Press)
A Mac Keith Press publication
2006 180pp
978 1 898 68334 6  (1 898 68334 4) • HB • c. £50.00

Information is correct at time of going to press but is subject to change without prior notice