Neurological Rehabilitation Optimizing Motor Performance 2e

Cognitive and Perceptual Rehabilitation
Stroke Recovery and Rehabilitation
Optimizing Motor Performance
A Motor Relearning Programme for Stroke
Neurological Rehabilitation
Bobath Concept
Rehabilitation in Movement Disorders
LIFESPAN NEUROREHABILITATION
Clinical Pathways in Stroke Rehabilitation
Enabling America
Therapeutic Implications
Occupational Therapy for Physical Dysfunction
Optimizing Function
Neurological Physiotherapy Pocketbook
Cerebral Palsy in Infancy
[Formerly Physical Management in Neurological Rehabilitation E-Book]
Concepts and Applications
A Patient-Centered Approach from Examination to Interventions and Outcomes
Physical Disabilities
Mental Practice: Clinical and Experimental Research in Imagery and Action Observation
Physical Rehabilitation Laboratory Manual
Assessing the Role of Rehabilitation Science and Engineering
Neurological Physical Therapy
Brain Repair After Stroke
Evidence-based Clinical Practice Recommendations
Neurorehabilitation Technology
Guidelines for Exercise and Training to Optimize Motor Skill
Physical Management for Neurological Conditions E-Book
Physiotherapy in Paediatrics
Textbook of Neural Repair and Rehabilitation
Neurological Rehabilitation
Motor Control and Learning
Motor Learning and Control
Neuro-Education and Neuro-Rehabilitation
Neurological Rehabilitation
Stroke Rehabilitation
Optimizing Cognitive Rehabilitation

KENNY CLARA

Cognitive and Perceptual Rehabilitation Cambridge University Press
Authored by members of the British Bobath Tutors Association, Bobath Concept: Theory and Clinical Practice in Neurological Rehabilitationis a practical illustrated guide that offers a detailed exploration of the theoretical underpinning and clinical interventions of the Bobath Concept. The evolution of the Bobath concept is brilliantly captured in this volume. The recognition that the best inhibition may come from engaging the patient in normal activities is an example of the way one of the notions central to the original Bobath Concept has developed. In short, the Bobath Concept lies at the heart of an approach to neurorehabilitation that is ready to take advantage of the rapidly advancing understanding, coming from neuroscience, of brain function in, in particular, of the effects of and responses to damage, and the factors that may drive recovery. It is no coincidence that neuroplasticity figures so prominently in the pages that follow.' Emeritus Professor Raymond Tallis BM BCh BA FRCP FMedSci LittD DLitt FRSA This book guides the reader through general principles to more specific application of neurophysiological principles and movement re-education in the recovery of important areas, including moving between sitting and standing, locomotion and recovery of upper limb function. Bobath Concept: Theory and Clinical Practice in Neurological Rehabilitationwill be invaluable to undergraduate and qualified physiotherapists /occupational therapists and all professionals working in neurological rehabilitation. Covers the theoretical underpinning of the Bobath Concept. Presents a holistic, 24-hour approach to functional recovery. Focuses on efficient movement and motor learning, to maximise function. Forges links between theory and clinical practice. Illustrated throughout.
Stroke Recovery and Rehabilitation Springer
This revised, updated second edition provides an accessible, practical overview of major areas of technical development and clinical application in the field of neurorehabilitation movement therapy. The initial section provides a rationale for technology application in movement therapy by summarizing recent findings in neuroplasticity and motor learning. The following section then explains the state of the art in human-machine interaction requirements for clinical rehabilitation practice. Subsequent sections describe the ongoing revolution in robotic therapy for upper extremity movement and for walking, and then describe other emerging technologies including electrical stimulation, virtual reality, wearable sensors, and brain-computer interfaces. The promises and limitations of these technologies in neurorehabilitation are discussed. Throughout the book the chapters provide detailed practical information on state-of-the-art clinical applications of these devices following stroke, spinal cord injury, and other neurologic disorders. The text is illustrated throughout with photographs and schematic diagrams which serve to clarify the information for the reader. Neurorehabilitation Technology, Second Edition is a valuable resource for neurologists, biomedical engineers, roboticists, rehabilitation specialists, physiotherapists, occupational therapists and those training in these fields.
Optimizing Motor Performance Guilford Press
The second edition of the Neurological Physiotherapy Pocketbook is the only book for physiotherapists that provides essential evidence-based information in a unique and easy-to-use format, applicable to clinical settings. Written by new international editors and contributors, this pocketbook provides quick and easy access to essential clinical information. Pocketbook size for when out on clinical placement or working in clinical practice Revised and brand new chapters on neurological rehabilitation and essential components Concentrates on the six most common conditions: including stroke, traumatic brain, and spinal cord injury Key messages highlighted for assessment, treatment, and measurement of the most common neurological conditions
A Motor Relearning Programme for Stroke Elsevier India
Neurological RehabilitationOptimizing Motor PerformanceElsevier India
Neurological Rehabilitation BoD – Books on Demand
A Doody's Core Title 2012 Stroke Recovery and Rehabilitation is the new gold standard comprehensive guide to the management of stroke patients. Beginning with detailed information on risk factors, epidemiology, prevention, and neurophysiology, the book details the acute and long-term treatment of all stroke-related impairments and complications. Additional sections discuss psychological issues, outcomes, community reintegration, and new research. Written by dozens of acknowledged leaders in the field, and containing hundreds of tables, graphs, and photographic images, Stroke Recovery and Rehabilitation features: The first full-length discussion of the most commonly-encountered component of neurorehabilitation Multi-specialty coverage of issues in rehabilitation, neurology, PT, OT, speech therapy, and nursing Focus on therapeutic management of stroke related impairments and complications An international perspective from dozens of foremost authorities on stroke Cutting edge, practical information on new developments and research trends Stroke Recovery and Rehabilitation is a valuable reference for clinicians and academics in rehabilitation and neurology, and professionals in all disciplines who serve the needs of stroke survivors.
Bobath Concept Cambridge University Press
The second edition of the Neurological Physiotherapy Pocketbook is the only book for physiotherapists that provides essential evidence-based information in a unique and easy-to-use format, applicable to clinical settings. Written by new international editors and contributors, this pocketbook provides quick and easy access to essential clinical information.
Rehabilitation in Movement Disorders Elsevier Health Sciences
"Covers essential task-and context-specific excercises and training regimes for optimal functional recovery. Based on scientific rationale and the latest clinical research, this book emphasises the training of effective functional motor performance using methods that both provide a stimulus to the acquisition of skill and increase strength, endurance and fitness." --Cover.
LIFESPAN NEUROREHABILITATION Elsevier Health Sciences
The most recent high-profile advocate for Americans with disabilities, actor Christopher Reeve, has highlighted for the public the economic and social costs of disability and the importance of rehabilitation. Enabling America is a major analysis of the field of rehabilitation science and engineering. The book explains how to achieve recognition for this evolving field of study, how to set priorities, and how to improve the organization and administration of the numerous federal research programs in this area. The committee introduces the "enabling-disability process" model, which enhances the concepts of disability and rehabilitation, and reviews what is known and what research

priorities are emerging in the areas of: Pathology and impairment, including differences between children and adults. Functional limitations--in a person's ability to eat or walk, for example. Disability as the interaction between a person's pathologies, impairments, and functional limitations and the surrounding physical and social environments. This landmark volume will be of special interest to anyone involved in rehabilitation science and engineering: federal policymakers, rehabilitation practitioners and administrators, researchers, and advocates for persons with disabilities.

Clinical Pathways in Stroke Rehabilitation Oxford and Ibh Publishers

The fifth edition of this seminal textbook continues to provide those who are studying or are in practice with comprehensive evidence-based coverage of all the main aspects of respiratory and cardiac physiotherapy throughout the whole lifespan – neonates, infants, children, adolescents and adults – with the patient at centre and advocating a problem-based approach. For the new edition, Jennifer Pryor and Ammani Prasad hand the baton of editorship and their lasting legacy over to Eleanor Main and Linda Denehy. With a team of over 60 international expert authors, the new editors have incorporated major changes reflecting current cardiorespiratory physiotherapy education and practice. These changes are heralded by a new title – Cardiorespiratory Physiotherapy: Adults and Paediatrics (formerly Physiotherapy for Respiratory and Cardiac Problems: Adults and Paediatrics) – and a significant restructure of the content with a new set of chapters. A new key chapter on anatomy and physiology of the respiratory system lays the foundation which is then followed by a chapter on clinical assessment of adults, infants and children, and acutely ill or deteriorating patients. Additional new content includes a chapter on outcome measurement in practice and a large chapter describing rehabilitation in acute and chronic conditions in special populations including spinal cord injury, oncology, trauma and paediatrics. The chapter on therapeutic interventions is comprehensive and reflective of evidence based practice. Integrates evidence with clinical practice Case studies used to facilitate problem solving Boxes throughout highlighting key issues and points Emphasizes the need for a holistic approach to patient care Bank of 350 images on Evolve Resources. Log on to https://evolve.elsevier.com/Main/cardiorespiratory and register to access. Newly appointed editors – Eleanor Main (UK) and Linda Denehy (Australia) Content restructure and overhaul with contributions from over 60 world leading experts Chapters on: Anatomy and physiology of the respiratory system Clinical assessment of the adult, infant/child and the acutely ill/deteriorating patient Outcome measurement in practice Therapeutic interventions Managing special populations Over 180 new figures including additional full-colour photographs

Enabling America Cambridge University Press

This work is a study of neurological physiotherapy, exploring the bases of evidence for practice. It starts with real patients and their problems, then turns to clinicians from different philosophies to describe how they would treat that patient.

Therapeutic Implications Frontiers Media SA

The definitive work on occupational therapy for physical dysfunction is back in a Fifth Edition, with reputable co-editors and outstanding clinical, academic, and consumer contributors. Through the Occupational Functioning Model, this edition continues to emphasize the conceptual foundation of practice. The text provides a current and well-rounded view of the field--from theoretical rationale to evaluation, treatment, and follow-up. New to this edition: cutting-edge therapies and up-to-date research findings, "International Classification of Functioning, Disability and Health" (ICIDH-2) language and concepts, assessment and intervention directed toward context, a two-color design, and abundant learning aids including case examples and procedures for practice.

Occupational Therapy for Physical Dysfunction BoD – Books on Demand

Rehabilitation professionals face a key challenge when working with clients with acquired cognitive impairments: how to teach new skills to individuals who have difficulty learning. Unique in its focus, this book presents evidence-based instructional methods specifically designed to help this population learn more efficiently. The expert authors show how to develop, implement, and evaluate an individualized training plan. They provide practical guidelines for teaching multistep procedures, cognitive strategies, the use of external aids, and more. User-friendly features include 17 sample worksheets and forms; blank forms can be downloaded and printed in a convenient 8 1/2" x 11" size.

Frontiers Media SA

Neurological Rehabilitation is the latest volume in the definitive Handbook of Clinical Neurology series. It is the first time that this increasing important subject has been included in the series and this reflects the growing interest and quality of scientific data on topics around neural recovery and the practical applications of new research. The volume will appeal to clinicians from both neurological and rehabilitation backgrounds and contains topics of interest to all members of the multidisciplinary clinical team as well as the neuroscience community. The volume is divided into five key sections. The first is a summary of current research on neural repair, recovery and plasticity. The authors have kept the topics readable for a non-scientific audience and focused on the aspects of basic neuroscience that should be most relevant to clinical practice. The next section covers the basic principles of neurorehabilitation, including excellent chapters on learning and skill acquisition, outcome measurement and functional neuroimaging. The key clinical section comes next and includes updates and reviews on the management of the main neurological disabling physical problems, such as spasticity, pain, sexual functioning and dysphagia. Cognitive, emotional and behavioural problems are just as important and are covered in the next section, with excellent chapters, for example, on memory and management of executive dysfunction. The final part draws the sections on symptom management together by discussing the individual diseases that are most commonly seen in neurorehabilitation and providing an overview of the management of the disability associated with those disorders. The volume is a definitive review of current neurorehabilitation practice and will be valuable to a wide range of clinicians and scientists working in this rapidly developing field. *A volume in the Handbook of Clinical Neurology series, which has an unparalleled reputation as the world's most comprehensive source of information in neurology. *International list of contributors including the leading workers in the field. *Describes the advances which have occurred in clinical neurology and the neurosciences, their impact on the understanding of neurological disorders and on patient care.

BoD – Books on Demand

Practical textbook aimed at doctors beginning work on a stroke unit or residents embarking on training in stroke care.

Optimizing Function Cambridge University Press
This book, Physical Disabilities - Therapeutic Implications, presents reports on a wide range of areas in the field of neurobiological disabilities, including movement disorders (Uner Tan syndrome, genetic and environmental influences, chronic brain damage, stroke, and pediatric disabilities) related to physical and stem cell therapy. Studies are presented from researchers around the world, looking at aspects as wide-ranging as the genetics, wheelchair, and robotics behind the conditions to new and innovative therapeutic approaches.
Neurological Physiotherapy Pocketbook Newnes
Implicit memory refers to a change in task performance due to an earlier experience that is not consciously remembered. The topic of implicit memory has been studied from two quite different perspectives for the past 20 years. On the one hand, researchers interested in memory have set out to characterize the memory system (or systems) underlying implicit memory, and see how they relate to those underlying other forms of memory. The alternative framework has considered implicit memory as a by-product of perceptual, conceptual, or motor systems that learn. That is, on this view the systems that support implicit memory are heavily constrained by pressures other than memory per se. Both approaches have yielded results that have been valuable in helping us to understand the nature of implicit memory, but studied somewhat in isolation and with little collaboration. This volume is unique in explicitly contrasting these approaches, bringing together world class scientists from both camps in an attempt to forge a new approach to understanding one of the most exciting and important issues in psychology and neuroscience. Written for postgraduate students and researchers in cognitive psychology and cognitive neuroscience, this is a book that will have an important influence on the direction that future research in this field takes.
Cerebral Palsy in Infancy Elsevier Health Sciences
Volume 1 of the Textbook of Neural Repair and Rehabilitation covers the basic sciences relevant to recovery of function following injury to the nervous system.
[Formerly Physical Management in Neurological Rehabilitation E-Book] Springer Nature
Neurological Rehabilitation is the latest volume in the definitive Handbook of Clinical Neurology series. It is the first time that this increasing important subject has been included in the series and this reflects the growing interest and quality of scientific data on topics around neural recovery and the practical applications of new research. The volume will appeal to clinicians from both neurological and rehabilitation backgrounds and contains topics of interest to all members of the multidisciplinary clinical team as well as the neuroscience community. The volume is divided into five key sections. The first is a summary of current research on neural repair, recovery and plasticity. The authors have kept the topics readable for a non-scientific audience and focused on the aspects of basic neuroscience that should be most relevant to clinical practice. The next section covers the basic principles of neurorehabilitation, including excellent chapters on learning and skill acquisition, outcome measurement and functional neuroimaging. The key clinical section comes next and includes updates and reviews on the management of the main neurological disabling physical problems, such as spasticity, pain, sexual functioning and dysphagia. Cognitive, emotional and behavioural problems are just as important and are covered in the next section, with excellent chapters, for example, on memory and management of executive dysfunction. The final part draws the sections on symptom management together by discussing the individual diseases that are most commonly seen in neurorehabilitation and providing an overview of the management of the disability associated with those disorders. The volume is a definitive review of current neurorehabilitation practice and will be valuable to a wide range of clinicians and scientists working in this rapidly developing field. A volume in the Handbook of Clinical Neurology series, which has an unparalleled reputation as the world's most comprehensive source of information in neurology International list of contributors including the leading workers in the field Describes the advances which have occurred in clinical neurology and the neurosciences, their impact on the understanding of neurological disorders and on patient care
Concepts and Applications Elsevier Health Sciences
Designed for introductory students, this text provides the reader with a solid research base and defines difficult material by identifying concepts and demonstrating applications for each of those concepts. Motor Learning and Control: Concepts and Applications also includes references for all relevant material to encourage students to examine the research for themselves.
A Patient-Centered Approach from Examination to Interventions and Outcomes F.A. Davis
Physical therapy services may be provided alongside or in conjunction with other medical services. They are performed by physical therapists (known as physiotherapists in many countries) with the help of other medical professionals. This book consists of 12 chapters written by several professionals from different parts of the world. The book covers different subjects, such as the effects of physical therapy, motor imagery, neuroscience-based rehabilitation for neurological patients, and applications of robotics for stroke and cerebral palsy. We hope that this book will open up new directions for physical therapists in the field of neurological physical therapy.