Carr And Shepherd Neurological Rehabilitation

ALEXANDER MAHONEY

Neurological Rehabilitation Elsevier Health Sciences
Locomotor training is aiming to promote recovery after spinal cord injury via activation of the neuromuscular system below the level of the lesion
Introduction to Neurological Rehabilitation Elsevier Health Sciences
A kinematic motor organisation which is crucial for performing different functional tasks is mediated by a distinct motor functional architecture of the central nervous system. A breakdown of this architectural network occurs in most neurological condition with motor impairment. Therefore a planned physical intervention to restore impaired structure architectural network of the brain is essential for the functional recovery. This book has dealt with four common conditions and for each condition it has identified structure of architectural network is damaged. Then the intervention strategy has elaborated the some of the precisely shaped stimulation that can restore the impaired structure, which has used wide range of research based evidences.
Neurological Physiotherapy Cambridge University Press
Fully revised throughout, the new edition of this concise textbook is aimed at doctors preparing to specialize in stroke care.
Tetraplegia and Paraplegia Elsevier Health Sciences
A theory-plus-practice guide with new therapeutic strategies and treatment models, case examples, and photographs. Discusses balanced standing, balanced sitting, reaching, manipulation, walking, and other basic skills. Shows how to identify short-term goals, provide instruction, practice, and feedback.
Neurological Rehabilitation Cambridge University Press
This is a Pageburst digital textbook; Including everything from basic theories to the latest breakthroughs in screening, treatments, diagnosis, and interventions, Neurological Rehabilitation, 5th Edition, is the classic neurology book for therapy students and clinicians alike. The book takes a problem-solving approach to the therapeutic management of movement limitations, quality of life, and more. With an emphasis on real-world problem solving, case studies in every chapter show the application of concepts presented. The text also details best

practices put forth by the APTA and other leading physical therapy organizations. Includes all terminology, information, and practices consistent with The Guide to Physical Therapy Practice References best practices from the beginning to the end of a patients' care with information from the most evidence-based research Includes in-depth coverage with illustrations, case studies, and examples to make it easier to understand complex information Applies concepts with case studies featured in each chapter, teaching problem-solving with real world examples Covers non-conventional approaches to neurological interventions such as the movement approach, energy approach, and physical body system approaches Four new chapters highlight important topics on movement and development across the lifespan, health and wellness, documentation, and cardiopulmonary interaction, not often found in one complete resource Highlights hot button topics in physical therapy including neurological disorders and application issues such as poor vision, pelvic floor dysfunction, and pain A complete revision of the chapters provides the most current information and research

A Motor Relearning Programme for Stroke Springer Science & Business Media

Cerebral Palsy in Infancy is a thought-provoking book which introduces a new way of thinking on the development and use of interventions. Relevant to current practice, it advocates early, targeted activity that is focused on increasing muscle activation, training basic actions and minimizing (or preventing) mal-adaptive changes to muscle morphology and function. The authors present recent scientific findings in brain science, movement sciences (developmental biomechanics, motor control mechanisms, motor learning, exercise science) and muscle biology. This knowledge provides the rationale for active intervention, underpinning the need for an early referral to appropriate services. The book features methods for promoting relatively intensive physical activity in young infants without placing a burden on parents which include assistive technologies such as robotics, electronic bilateral limb trainers and baby treadmills. Cerebral Palsy in Infancy begins by specifying the guidelines for training and exercise, outlining the rationale for such intervention. It goes on to cover the fundamentals of neuromotor plasticity and the development and negative effects of limited motor activity on brain organization and corticospinal tract development. Neuromuscular adaptations to impairments and inactivity are discussed along with the General Movement assessment that can provide early diagnosis and prognosis, facilitating very early referral from paediatric specialists to training programs. The book ends with a section featuring various methods of training with the emphasis on preventing/minimizing muscle contracture, stimulating biomechanically critical muscle activity and joint movement. An ideal clinical reference for those working to improve the lives of infants suffering from cerebral palsy. CONTRIBUTORS: Adel Abdullah Alhusaini (Saudi Arabia); David I. Anderson (USA); Nicolas Bayle (France); Roslyn Boyd (Australia); Giovanni Cioni (Italy); Diane L. Damiano (USA); Janet Eyre (UK); Linda Fetters (USA); Mary Galea (Australia); Andrew M Gordon (USA); Martin Gough (UK); Richard L Lieber (USA); Jens Bo Nielsen (Denmark); Micah Perez (Australia); Caroline Teulier (France). "This book provides a comprehensive overview of the challenges of motor development and the consequent impact of poor motor function in later childhood for infants with cerebral palsy (CP)."Reviewed by: Oxford Brookes University on behalf of the British Journal of Occupational Therapy, Dec 2014 conceived and edited by Roberta Shepherd with contributions from internationally renowned expert clinicians and researchers discusses new research and new evidence-based treatment interventions shows how to organize very early and intensive physical activity in young infants to stimulate motor development and growth therapies include the specificity of training and exercise, with emphasis on promoting muscle activity and preventing contracture by active instead of passive stretching methods include new interactive technologies in enhancing home-based training sessions carried out by the infant's family extensive referencing in each chapter for further study chapters feature "Annotations" which illustrate scientific findings

Neurological Rehabilitation - E-Book Mosby

Provides a broad overview of current rehabilitation approaches, emphasizing the need for interdisciplinary management and focussing on deliverable outcomes.

A Motor Relearning Programme for Stroke Cambridge University Press

Occupational Therapy and Stroke guides newly qualified occupational therapists (and those new to the field of stroke management) through the complexities of treating people following stroke. It encourages and assists therapists to use their skills in problem solving, building on techniques taught and observed as an undergraduate. Written and edited by practising occupational therapists, the book acknowledges the variety of techniques that may be used in stroke management and the scope of the occupational therapist's role. Chapters span such key topics as early intervention and the theoretical underpinnings of stroke care, as well as the management of motor, sensory, cognitive and perceptual deficits. They are written in a user-friendly style and presented in a form that enables the therapist to review the subject prior to assessment and treatment planning. Complex problems are grouped together for greater clarity. This second edition has been fully revised and updated in line with the WHO ICF model, National Clinical Guidelines and Occupational Therapy standards. It is produced on behalf of the College of Occupational Therapists Specialist Section - Neurological Practice.

Neurological Rehabilitation, 2/e Oxford University Press, USA

The approach here is based on the concepts set out by Dr. Herman Kabat and taught by Margaret Knott, and this second edition adds many new illustrations including demonstrations of the techniques and pictures of actual patient treatment. The gait section has been expanded with an introduction to normal components and photos of patient treatment. The mat section has also been enlarged and includes illustrations of patient treatment.

Occupational Therapy and Stroke Pearson

Provides information about the prevention of cardiovascular and neuromotor disuse changes that are secondary to immobility. Includes strengthening exercises and information on task-specific training. Discusses methods of measurement and neurorehabilitation.

Movement Science McGraw Hill Professional

Neurological Rehabilitation is a completely revised and thoroughly updated replacement for Physiotherapy in Disorders of the Brain which was published in June 1980. Many advances have been in the understanding and treatment of adults with injuries to the brain, whether caused by accident or disease, and this book will incorporate these changes.

Cardiorespiratory Physiotherapy: Adults and Paediatrics McGraw-Hill Higher Education

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.

Locomotor Training Elsevier India

This new book is based on Cash's Textbook of Neurology. It

covers Basic Concepts in Neurology, Neurological and Neuromuscular Conditions, Lifetime Disorders of Childhood Onset, and Treatment Approaches to Neurological Rehabilitation. Neurological Physiotherapy has been completely updated and now features a new larger format, 2-colour throughout, and more than 140 illustrations. The contents have been updated to bring this book totally up to date with current practice. An important feature of this well-written new book is the section on treatment approaches to neurological rehabilitation. Seven chapters cover the range of treatment approaches from their theoretical basis, through management, to neurological rehabilitation. * The two-colour design highlights important information -- readers can access it fast! * Helpful chapter outlines summarise upcoming content information. * Discusses new concepts in physiotherapy treatment that help the reader apply appropriate treatment methods to each client. * More than 65 new and redrawn artworks. * New larger format. * Seven chapters covering treatment approaches. Spanish version also available, ISBN: 84-8174-490-5

Physiotherapy in Disorders of the Brain Aspen Publishers
Develop problem-solving strategies for individualized, effective neurologic care! Under the new leadership of Rolando Lazaro, Umphred’s Neurological Rehabilitation, 7th Edition, covers the therapeutic management of people with activity limitations, participation restrictions, and quality of life issues following a neurological event. This comprehensive reference reviews basic theory and addresses the best evidence for evaluation tools and interventions commonly used in today's clinical practice. It applies a time-tested, evidence-based approach to neurological rehabilitation that is perfect for both the classroom and the clinic. Now fully searchable with additional case studies through Student Consult, this edition includes updated chapters and the latest advances in neuroscience. Comprehensive reference offers a thorough understanding of all aspects of neurological rehabilitation. Expert authorship and editors lend their experience and guidance for on-the-job success. UNIQUE! A section on neurological problems accompanying specific system problems includes hot topics such as poor vision, vestibular dysfunction, dementia and problems with cognition, and aging with a disability. A problem-solving approach helps you apply your knowledge to examinations, evaluations, prognoses, and intervention strategies. Evidence-based research sets up best practices, covering topics such as the theory of neurologic rehabilitation, screening and diagnostic tests, treatments and interventions, and the patient's psychosocial concerns. Case studies use real-world examples to promote problem-solving skills. Comprehensive coverage of neurological rehabilitation across the lifespan — from pediatrics to geriatrics. Terminology adheres to the best practices, follows The Guide to Physical Therapy Practice and the WHO-ICF World Health model. NEW! enhanced eBook on Student Consult. UPDATED! Color photos and line drawings clearly demonstrate important concepts and clinical conditions students will encounter in practice. NEW and EXPANDED! Additional case studies and videos illustrate how concepts apply to practice. Updated chapters incorporate the latest advances and the newest information in neurological rehabilitation strategies. NEW and UNIQUE! New chapter on concussion has been added. Separate and expanded chapters on two important topics: Balance and Vestibular.

Neuroplasticity and Rehabilitation Foundation for Physical Therapy, Incorporated
Increasing evidence identifies the possibility of restoring function to the damaged brain via exogenous therapies. One major target for these advances is stroke, where most patients can be left with significant disability. Treatments have the potential to improve the victim's quality of life significantly and reduce the time and expense of rehabilitation. Brain Repair After Stroke reviews the biology of spontaneous brain repair after stroke in animal models and in humans. Detailed chapters cover the many forms of therapy being explored to promote brain repair and consider clinical trial issues in this context. This book provides a summary of the neurobiology of innate and treatment-induced repair mechanisms after hypoxia and reviews the state of the art for human therapeutics in relation to promoting behavioral recovery after stroke. Essential reading for stroke physicians, neurologists, rehabilitation physicians and neuropsychologists.

PNF in Practice Mosby Incorporated
Clinical evidence clearly demonstrates that physical therapeutic measures begun as soon as possible after a stroke, often within 24 to 48 hours, greatly increase everyday competence and quality of life. Physical Therapy for the Stroke Patient: Early Stage Rehabilitation covers all the issues that physical therapists must deal with in this critical period: assessment of patients abilities; care during the acute phase; early mobilization; effects of medication; risk factors; ethical questions; and much more. It provides complete guidelines on how to examine and treat the patient, the dosage of physical therapy required, and the key differences between early and late stage rehabilitation after stroke. Special Features Information-packed chapter on Optimizing Functional Motor Recovery after Stroke, written by J. Carr and R. Shepherd, pioneers in the field and the first to correlate motor learning and stroke recovery Case studies throughout the book offering direct, hands-on examples of evaluation and treatment methods Nearly 150 color photographs demonstrating step-by-step physical therapy techniques used in actual practice Hundreds of references to the literature that support the evidence-based approach presented in the book For all physical and occupational therapists who must answer the question, How much therapy will help my patient?, this book provides clear, well-informed answers. Not only will it increase your therapeutic skills and confidence, but it will also expand your knowledge of the medical issues and long-term outcomes for the post-stroke patients in your care.

Motor Learning and Control Elsevier Health Sciences
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.

Brain Repair After Stroke Xlibris Corporation
The role of physiotheraphy in neurological conditions has became very important, thanks to neurophysicans who understand and emphasise the importance of physiotherapy to their patients. This book is designed to cater to students of physiotherapy and

practising physiotherapists. It covers all of the common clinical conditions physiotherapists encounter in their clinical practice. Detailed assesment and treatment protocols that they encounter are also included.

Cerebral Palsy in Infancy Elsevier Health Sciences

Using a problem-solving approach based on clinical evidence, Neurological Rehabilitation, 6th Edition covers the therapeutic management of people with functional movement limitations and quality of life issues following a neurological event. It reviews basic theory and covers the latest screening and diagnostic tests, new treatments, and interventions commonly used in today's clinical practice. This edition includes the latest advances in neuroscience, adding new chapters on neuroimaging and clinical tools such as virtual reality, robotics, and gaming. Written by respected clinician and physical therapy expert Darcy Umphred, this classic neurology text provides problem-solving strategies that are key to individualized, effective care. UNIQUE! Emerging topics are covered in detail, including chapters such as Movement Development Across the Lifespan, Health and Wellness: The Beginning of the Paradigm, Documentation, and Cardiopulmonary Interactions. UNIQUE! A section on neurological problems accompanying specific system problems includes hot topics such as poor vision, pelvic floor dysfunction, and pain. A problem-solving approach helps you apply your knowledge to examinations, evaluations, prognoses, and intervention strategies. Evidence-based research sets up best practices, covering topics such as the theory of neurologic rehabilitation, screening and diagnostic tests, treatments and interventions, and the patient's psychosocial concerns Information. Case studies use real-world examples to promote problem-solving skills. Non-traditional approaches to neurological interventions in the Alternative and Complementary Therapies chapter include the movement approach, energy approach, and physical body system approaches therapies. Terminology adheres to the best practices of the APTA as well as other leading physical therapy organizations, following The Guide to Physical Therapy Practice, the Nagi model, and the ICF World Health Model of patient empowerment. Updated illustrations provide current visual references. NEW chapters on imaging and robotics have been added. Updated chapters incorporate the latest advances and the newest information in neuroscience and intervention strategies. Student resources on an Evolve companion website include references with links to MEDLINE and more.

Functional Rehabilitation of Some Common Neurological Conditions John Wiley & Sons

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