Neurological Physical Therapy Techniques

Neurorehabilitation Therapy and Therapeutics
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Neurologic Interventions for Physical Therapy - E-Book
Umphred's Neurological Rehabilitation
Handbook of Neurological Rehabilitation
Clinical Evaluation and Management of Spasticity
Physical Management in Neurological Rehabilitation
Physiotherapy for Adult Neurological Conditions
Quick Reference to Physical Therapy
Neurological Rehabilitation
Neurological Physiotherapy
Neurologic Interventions for Physical Therapy
Principles of Neurologic Rehabilitation
Physical Management for Neurological Conditions E-Book
Neurological Rehabilitation
Neurologic Rehabilitation, Second Edition: Neuroscience and Neuroplasticity in Physical Therapy Practice
A Guide to the Primary Care of Neurological Disorders
Neurological Rehabilitation - E-Book
Neurologic Rehabilitation: Neuroscience and Neuroplasticity in Physical Therapy Practice (EB)
Fundamentals of Manual Therapy
Handbook of Neurological Physical Therapy
Neurorehabilitation for the Physical Therapist Assistant
Neurological Rehabilitation, 2e
Physical Management for Neurological Conditions E-Book
Music Therapy Methods in Neurorehabilitation
Clinical Practice Guidelines
Lifespan Neurorehabilitation
Recent Advances in Physiotherapy
Specialized Physical Therapy Techniques: Assessment and Treatment

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Neurorehabilitation Therapy and Therapeutics Neurologic Interventions for Physical Therapy
Provides a synopsis of the diseases, disorders and dysfunctions referenced in the physical therapy literature. The format used gives all therapists, whether, they are students, clinicians, educators, or researchers, quick access to the information needed to asess, educate, and treat clients.
Neurologic Intervention for Physical Therapist Assistants Psychology Press (UK)
"As the role of the Physical Therapist Assistant (PTA) expands in the area of intervention approaches for neurological rehabilitation, the Third Edition of Neurorehabilitation for the Physical Therapist Assistant offers a timely update to reflect these emerging changes. Inside Neurorehabilitation for the Physical Therapist Assistant, Second Edition Dr. Darcy Umphred and Dr. Rolando Lazaro include a more comprehensive explanation and discussion of intervention techniques used in both pediatric and adult patient/client populations. Also included is a more thorough discussion of examination tools and their application because of the growing need for the PTA to identify the progress of the intervention using the tools from the initial examination and to assist in completing the discharge examination. Faculty will welcome the new and expanded instructor's materials for the classroom that include an online video library illustrating selected examination tools and intervention approaches. In this Second Edition, there are several video clips with Dr. Umphred demonstrating several clinical techniques that can enhance PTA practice. Additionally, an expanded study guide that provides case studies and Q&A for each chapter can be found on www.efacultylounge.com Neurorehabilitation for the Physical Therapist Assistant, Second Edition now includes a new chapter on documentation to help the PTA develop the skills necessary for clear record keeping as well as ensuring optimal patient care and reimbursement for services provided. Features: A clear delineation of the differences between the frameworks used by medical practitioners, those used by the PT, and those directly related to the PTA Detailed descriptions of interventions, tests, and measures used by the PTA Access to a website that includes an online video library and case studies and questions for each chapter, with new book purchase. A focus on interactions between types of movement dysfunctions and intervention selection Neurorehabilitation for the Physical Therapist Assistant, Second Edition is the perfect resource for any physical therapist assistant faculty, student, or clinician interested in the physical therapy management of individuals with various types of neurological conditions"--
Umphred's Neurorehabilitation for the Physical Therapist Assistant Elsevier Health Sciences
Providing an introduction to the basic concepts of neurology, neurological conditions the differing methods of physiotherapy, this text brings together contributions from an experienced team of experts in the field.
Physical Therapy for the Stroke Patient Elsevier Health Sciences
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

Neurologic Interventions for Physical Therapy Elsevier Health Sciences

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.

Umphred's Neurorehabilitation for the Physical Therapist Assistant McGraw-Hill Education / Medical

Consistently organized chapters in each section for easier reference Behaviorally stated objectives for each chapter Glossary (with terms bold-faced at first appearance) Patient case scenarios that emphasize the clinical relevance of the content "Patient Application" sections in the examination and intervention chapters that progress throughout the chapter and include "contemplate clinical decisions," with guiding questions to stimulate the clinical problem-solving process Charts/tables summarizing key information Full-color photograph illustrating basic and complex concepts, many featuring real patients, including series of photographs that capture sequential movement "Focus on Evidence" tables included on DavisPlus that summarize the scientific basis for the principles and techniques described Extensive reference lists to facilitate additional research A compendium on DavisPlus outlining the most common pediatric and adult medical diagnoses that puts the impairments and functional limitations in context and addresses 1) etiology/pathogenesis, 2) expected signs/symptoms and diagnostic tests, 3) prognosis, 4) medical and surgical management, and 5) a brief summary of five potential interventions that may be part of the plan of care based on expected examination results

PNF in Practice Pro Ed

This is a comprehensive book on physiotherapy for adult neurological disorders with chapters describing physiotherapy assessment and management for those adult patients in the acute care and rehabilitation units of hospitals or centers. Each chapter additionally provides brief introduction, historical background, etiology, pathophysiology, clinical manifestations, medical and surgical management. The aim is to help build a theoretical foundation on which principles of management are laid, and to improve and update the readers' clinical and therapeutic skills. Improving the overall care and management of patients suffering from adult neurological conditions such as stroke, Parkinson's disease, traumatic brain injury, and multiple sclerosis, is the key objective. Supported with ample practical contents (exercise training and therapeutic strategies) and pictures it prepares the readers to effectively manage patients with neurological conditions. The contents of this book will serve as a guide and source of knowledge of both contemporary and advanced treatment techniques for undergraduate and post-graduate students and therapists practicing worldwide in adult neurological physiotherapy.

Neurological Physical Therapy 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.

Physical Exercises Elsevier Health Sciences

Whether your goal is to be a physical therapist or a physical therapist assistant, this book's comprehensive content will give you in-depth knowledge on the role of neurologic rehabilitation in the treatment of adults and children with neuromuscular impairments and explores concepts in neuroanatomy, motor control and motor learning, and motor development. Neurologic Interventions for Physical Therapy, 4th Edition provides a current framework for neurologic practice and focuses on the precise links between the pathophysiology of neurologic conditions and possible interventions to improve movement outcomes. The text also includes a new chapter on Autism Spectrum Disorder. Helpful learning aids in each chapter include objectives and summaries, open-ended review questions, line drawings and photos, step-by-step illustrated intervention boxes, tables, and charts. Comprehensive content on the role of neurologic rehabilitation focuses on the treatment of adults and children with neuromuscular impairments and explores concepts in neuroanatomy, motor control and motor learning, and motor development. Open-ended review questions at the end of each chapter allow you to test your knowledge of material covered in the chapter. Case studies include subjective and objective observation, assessment, planning, and critical decision-making components, and provide context for you regarding the patient examination and treatment process. The text uses the language of the APTA Guide to Physical Therapist Practice to ensure you are complying with the APTA best practices. Over 700 illustrations and photographs detailing anatomy, physiology, evaluation, pathology, and treatment enhance your learning resources. UPDATED! Best evidence for interventions; clear, concise tables; graphics and pictures; and current literature engage you in the spectrum of neurologic conditions and interventions. NEW! Autism Spectrum Disorder chapter covers clinical features, diagnosis, and intervention, with a special focus on using play and aquatics, to support the integral role of physical therapy in working with children and families with autism. NEW! Common threads throughout the Children section focus on motor competence as a driving force in a child's cognitive and language development and highlight how meaningful, fun activities with family and friends encourage children with disabilities to participate. UPDATED! Neuroanatomy chapter provides a more comprehensive review on nervous system structures and their contributions to patient function and recovery after an injury or neurologic condition. UPDATED! Adult chapters feature updated information on medical and pharmacological management. NEW! The Core Set of Outcome Measures for Adults with Neurologic Conditions assists you in measuring common outcomes in the examination and evaluation of patients. NEW! Emphasis on the evidence for locomotor training, dual-task training, and high intensity gait training are included in the intervention sections.

Neurological Rehabilitation Psychology Press

David A. Gelber, MD, and Douglas R. Jeffery, MD, have assembled a much-needed collection of authoritative review articles discussing the pathophysiology of chronic neurologic spasticity and detailing its often complex medical and surgical management. Written by leading experts in neurology and rehabilitation, the book covers physical and occupational therapy, splinting and orthotics, electrical stimulation, orthopedic interventions, nerve blocks, the use of botulinum toxin, and novel treatments such as tizanidine, intrathecal medications, and neurosurgical techniques. The contributors also review coordinated approaches to the treatment of spasticity and specific neurological diseases such as spinal cord injury, multiple sclerosis, stroke, cerebral palsy, and traumatic brain injury.

Neurologic Interventions for Physical Therapy McGraw-Hill Professional Publishing

Definitive text summarizes the latest scientific developments in the burgeoning field and correlates them with their clinical significance. Coverage reviews basic science of nerve damage and regeneration with outcome and efficacy studies and evaluation guidelines for all neurologic disorders. Next, therapeutic rationales and step-by-step detail of rehabilitative technique are presented. Includes gait analysis and locomotion, sexual dysfunction, degenerative disease, speech and hearing disorders, neuropharmacology, and much more.

Neurological Disabilities Elsevier Health Sciences

A full-color neuroscience text that skillfully integrates neuromuscular skeletal content Covers both pediatric and adult issues Beautiful full-color presentation with numerous images Neurorehabilitation in Physical Therapy delivers comprehensive coverage of the structure and function of the human nervous system. It also discusses normal motor development and motor control, as well as common treatment techniques in physical therapy. In order to be engaging to students, cases open each chapter, with questions about those cases appearing throughout the chapter. The text includes numerous tables, flow charts, illustrations, and multiple-choice board-style review questions and is enhanced by a roster of world-renowned clinical contributors.

Neurologic Interventions for Physical Therapy - E-Book Elsevier

Like Partridge: Neurological Physiotherapy: Bases of Evidence for Practice, each chapter in Recent Advances in Physiotherapy features a case report provided by a team of clinicians based on details from a real patient. This book of recent advances provides readers with a way of keeping up-to-date with recent work in the discipline of physiotherapy, based on the evidence for current practice.

Umphred's Neurological Rehabilitation LAP Lambert Academic Publishing

The value of music therapy in neurological rehabilitation is increasingly recognised and this practical manual provides comprehensive guidance for clinicians on the application of music therapy methods in neurorehabilitation. Felicity Baker and Jeanette Tamplin combine research findings with their own clinical experience and present step-by-step instructions and guidelines on how to implement music therapy techniques for a range of therapeutic needs. Photographs clearly illustrate interventions for physical rehabilitation, for example through the use of musical instruments to encourage targeted movement. The chapter on cognitive rehabilitation includes resources and lists suitable songs for use in immediate memory or abstract thinking tasks, among others. In her chapter on paediatric patients, Jeanette Kennelly demonstrates how procedures can be adapted for working clinically with children. A comprehensive list of terminology commonly used in neurological rehabilitation is also included. Music Therapy Methods in Neurorehabilitation will prove an invaluable reference book for music therapy clinicians and students. It is also suitable for work with other populations, in particular for work in special education.

Handbook of Neurological Rehabilitation Springer Nature

Janet Carr and Roberta Shepherd head up a new team of eminent authors for the second edition of this definitive text on neurological physiotherapy. In the first edition, the authors described a model of neurological rehabilitation for individuals with motor dysfunction based on scientific research in the areas of neuromuscular control, biomechanics, motor skill learning, and the link between cognition and action, together with developments in pathology and adaptation. The new edition continues to advance this model while identifying and incorporating the many advances that have occurred in the last decade in the understanding and treatment of adults with neurological conditions, whether caused by accident or disease. Among

these advances is the knowledge that the brain retains a plastic potential to reorganize, even in old and/or lesioned brains, and that neural plasticity can be influenced by task-related mental and physical practice in a stimulating environment. There is also an increasing body of knowledge related to the musculoskeletal system's adaptability and the need to prevent length and stiffness- related changes in muscle contractility, together with loss of aerobic fitness and endurance. There is an expanding body of clinical research that appears to support the model provided here. The training guidelines outlined in Neurological Rehabilitation are based on biomechanical constructs and motor relearning research, applied to enhance brain reorganization and muscle contractility, and encourage functional recovery of the patient. It connects science and clinical practice enabling students and practitioners to develop their knowledge and use new clinical methods based on modern scientific understanding. All chapters have been revised, some with the collaboration of five specialists who are engaged in high level scientific research and clinical practice Biomechanical models are presented to provide a framework for action-specific training and exercise to improve performance Clinical guidelines are science- and evidence-based Emphasis is on new approaches to the delivery of neurological rehabilitation that increase the time spent in mental and physical activity, and the intensity of practice and exercise Up-to-date referencing

Clinical Evaluation and Management of Spasticity Elsevier Health Sciences

This book has been written for all those who are interested in the use of exercise to promote physical rehabilitation. It is, however, primarily designed to provide students training in physiotherapy with simple theoretical background for the practical instruction they receive in the performance and use of movement and exercises for therapeutic purposes. This book provides the physical therapist with specialized techniques to compete the soft-tissue disorders, neurological, orthopedic and sports rehabilitation.

Physical Management in Neurological Rehabilitation John Wiley & Sons

Neurologic Interventions for Physical TherapyElsevier

Physiotherapy for Adult Neurological Conditions American Medical Publishers

Neurorehabilitation for the Physical Therapist Assistant provides a complete overview of the foundations of various neurological medical conditions and presents a wide array of clinical problems that a physical therapist assistant may encounter in the educational or clinical setting. Darcy Umphred and Connie Carlson, along with 11 contributors, offer a thorough explanation of the PT to PTA delegation process that is both unique and comprehensive. Throughout the pages of Neurorehabilitation for the Physical Therapist Assistant the PTA is provided with the necessary tools to effectively interact with and treat patients who suffer from neurological medical diagnoses. This text also covers a wide variety of neurological clinical problems that a PTA may encounter. Neurorehabilitation for the Physical Therapist Assistant presents specific examples of tests and measures and interventions that a PTA may use when treating patients with CNS damage. Multiple chapters offer one or more case studies that will aid students and practicing PTAs in the analysis of PTA roles and the delegation of specific tasks, as well as why a PT may not choose to delegate a task. Also included is a brief discussion of selected pathologies and their progressions or complications, which gives the PTA a means to identify contraindications or changes in patient behavior that need to be reported. Features: -Interactive website access that provides the answers to the questions and case studies for each chapter. -A clear delineation of the differences between the frameworks used by medical practitioners and those used by the PT. -Detailed descriptions of tests and measures and interventions used by the PTA. -A focus on interactions between types of movement dysfunctions and intervention selection. -A discussion of disablement and enablement models. The volumes of knowledge presented in this unique and detailed text ensures Neurorehabilitation for the Physical Therapist Assistant will accompany the PTA throughout their education and into their career.

Quick Reference to Physical Therapy Springer Nature

Now completely updated with the latest information on both adult and pediatric patients, this comprehensive book provides a link between the pathophysiology of neurologic deficits and possible rehabilitation interventions for improving movement outcomes. It introduces the structure and function of the nervous system and describes normal motor development, motor control and motor learning, pathophysiology of the nervous system and common treatment techniques used in physical therapy practice. This edition also features updated terminology from the APTA's Guide to Physical Therapist Practice, as well as new chapters on proprioceptive neuromuscular facilitation (PNF) and other neurological conditions seen in the adult. Helpful learning aids and abundant illustrations highlight key concepts and help readers quickly master the material. Helpful learning aids - such as objectives, tables, illustrated intervention boxes, and review questions - reinforce important facts and concepts. Review questions at the end of each chapter allow readers to test their understanding of the material. 700 illustrations clearly depict procedures discussed in the text and clarify descriptions of anatomy, physiology, evaluation, pathology, and treatment. Background information is provided for interventions that can be used in the rehabilitation of adults and children, promoting a complete understanding of techniques. Careful documentation uses current outcomes-based research. Case histories include subjective and objective observation, assessment, planning, and critical decision-making components. Current language of the APTA's Guide to Physical Therapist Practice, 2nd Edition is used throughout, aligning all information with best practices put forth by the APTA. A new chapter on proprioceptive neuromuscular facilitation (PNF) describes how these techniques can be used to improve performance of functional tasks by increasing strength, flexibility, and range of motion.

Neurological Rehabilitation Elsevier Health Sciences

Master the role of the physical therapist or physical therapist assistant in neurologic rehabilitation! Neurologic Interventions for Physical Therapy, 3rd Edition helps you develop skills in the treatment interventions needed to improve the function of patients with neurologic deficits. It provides a solid foundation in neuroanatomy, motor control, and motor development, and offers clear, how-to guidelines to rehabilitation procedures. Case studies help you follow best practices for the treatment of children and adults with neuromuscular impairments caused by events such as spinal cord injuries, cerebral palsy, and traumatic brain injuries. Written by physical therapy experts Suzanne 'Tink' Martin and Mary Kessler, this market-leading text will help you prepare for the neurological portion of the PTA certification exam and begin a successful career in physical therapy practice. Comprehensive coverage of neurologic rehabilitation explores concepts in neuroanatomy, motor control and motor learning, motor development, and evidence-based treatment of adults and children with neuromuscular impairments. Over 700 photos and drawings clarify concepts, show anatomy, physiology, evaluation, and pathology, and depict the most current rehabilitation procedures and technology. Case studies demonstrate the patient examination and treatment process, and show how to achieve consistency in documentation. Proprioceptive Neuromuscular Facilitation chapter describes how PNF can be used to improve a patient's performance of functional tasks by increasing strength, flexibility, and range of motion - key to the treatment of individuals post stroke. Review questions are included at the end of each chapter, with answers at the back of the book. Illustrated step-by-step intervention boxes, tables, and charts highlight important information, and make it easy to find instructions quickly. Use of language of the APTA Guide to Physical Therapist Practice ensures that you understand and comply with best practices recommended by the APTA. NEW photographs of interventions and equipment reflect the most current rehabilitation procedures and technology. UPDATED study resources on the Evolve companion website include an intervention collection, study tips, and additional review questions and interactive case studies.