Management of Neurological Disorders

The Clinical Science of Neurologic Rehabilitation

Physiotherapy Essentials

New chapter on concussion has been added. Separate and expanded chapters on two important topics: Balance and Vestibular.

Neurological Rehabilitation

of new treatments. These projects may also aim at testing the efficiency of video-games and of new methods such as Trans Magnetic Stimulation (TMS) for therapeutic interventions in children or functional organization of perceptual, cognitive and motor abilities. Time has come to consider the societal impact of these findings. The aim of this Research Topic of Frontiers in Psychology is to discuss in relation to the different neurological conditions and include: a non-prescriptive, multidisciplinary, problem-solving approach to patient management and the patient and carer in goal-setting and decision-making (client-centred practice) use of outcome measures to evaluate the effects of treatment in everyday practice use of case studies to illustrate clinical practice scientific evidence of treatment and behaviour problems. Cerebral palsy and appendicitis are 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 presents a wide range of clinicians and therapists working in this rapidly developing field. A volume in the Handbook of Clinical Neurology series, which has 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 {}

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conditions is also discussed. Clinical reasoning options from both TCM and Western medical perspectives are provided, and illustrated by real cases from clinical practice forming a sound platform for true integrated medicine. Fully evidence-based Provides clinical reasoning options from TCM and Western medical perspectives Illustrates clinical reasoning with real cases from clinical practice Provides detailed examination of all major types of neurological conditions encountered in clinical practice.

Current Techniques in Canine and Feline Neurosurgery Management of Neurological Disorders: Second Edition presents a comprehensive guide on intensive care, rehabilitation, and the psychiatric aspects of neurology. It discusses the developments made in surgical treatment techniques. It addresses the management of coma patients. Some of the topics covered in the book are the psychological factors in intensive care; assessment of respiratory function; chronic respiratory disease, cardiac disease, and chest deforming; cardiac arrest and its neurological complications; removal of kidney for transplantation; and organization of rehabilitation services. The general approach to neurological physiotherapy is fully covered. An in-depth account of the psychiatric aspects of neurology is provided. Depression associated with neurological disorders is completely presented. A chapter is devoted to the psychological aspects of epilepsy. Another section focuses on the pathophysiology of Parkinsonism. The management of visual failure, metabolic muscle disorders, acute bacterial meningitis, and viral encephalitis are briefly covered. The book can provide useful information to doctors, psychologists, therapists, students, and researchers.

Measurement in Neurological Rehabilitation This monograph translates neuroscience research to illuminate ongoing and future practices for the rehabilitation of patients with neurologic diseases. The author divides fundamental concepts, current practices, and clinical trials to define what clinicians and researchers need to consider as they pursue best practices and areas ripe for exploration. Remarkable studies from functional anatomy, neural repair, and physiologic imaging of the brain, and brain-machine interfaces reveal how the structure and function of the nervous system may respond to therapeutic manipulations for walking, grasping, and cognition. These concepts are brought forward into treating the medical complications and the impairments and disabilities of patients across neurologic diseases.

Physical Management in Neurological Rehabilitation

Neuro-Education and Neuro-Rehabilitation A full-color neuroscience text that skillfully integrates neuromuscular skeletal content Covers both pediatric and adult issues Brings a 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.

Neurological Rehabilitation Presents the book as well as the eBook - giving you the printed book, and access to the complete book content electronically. This title provides a comprehensive introduction to the basic concepts of neurology, specific neurological conditions, and the related PT treatment approaches used in neurological rehabilitation.

Umphred's Neurorehabilitation for the Physical Therapist Assistant POCKETBOOK OF NEUROLOGICAL PHYSIOTHERAPY is designed for working with people with neurological problems in any clinical setting. Written by a team of expert contributors, it offers an international perspective on core concepts, irrespective of philosophical frameworks or health care systems. Rapid access to essential information is contained in one concise volume, providing expert knowledge and advice at your fingertips. This pocketbook is a valuable guide to evidence-based practice for student physiotherapists and their teachers, as well as qualified clinicians. Background Knowledge including common neurological conditions, neural plasticity, and common motor impairments and their impact on activity Clinical Decision Making including assessment and treatment of the acute patient before and during stabilisation; the acute patient with potential for recovery; and the patient with degenerative disease Respiratory, communication, cognitive and orthotic management Medical investigations and drug treatments A glossary of terms and abbreviations

Pocketbook of Neurological Physiotherapy E-Book Neurorehabilitation is an expanding field with an increasing clinical impact because of an ageing population. During the last 20 years neurorehabilitation has developed from a discipline with little scientific background, separated from other medical centers, to a medical entity largely based on the principles of ‘evidenced based medicine’ with strong ties to basic research and clinical neurology. Today neurorehabilitation is still a ‘work in progress’ and treatment standards are not yet established for all aspects of neurorehabilitation. There are very few books that address contemporary neurorehabilitation from this perspective. This volume moves the reader from theory to practice. It provides the reader with an understanding of the theoretical underpinnings of neurorehabilitation, as well as a clear idea about how (and why) to approach treatment decisions in individual patients. These clinical recommendations are based on a mix of established evidence and clinical experience that the authors bring to bear on their topics.

Handbook of Neurological Rehabilitation Offering a comprehensive look at physical therapy science and practice, Guscione's Geriatric Physical Therapy, 4th Edition is a perfect resource for both students and practitioners alike. Year after year, this text is recommended as the primary preparatory resource for the Geriatric Physical Therapy Specialization exam. And this new fourth edition only gets better. Content is thoroughly revised to keep you up to date on the latest geriatric physical therapy protocols and conditions. Five new chapters are added to this edition to help you learn how to better manage common orthopedic, cardiopulmonary, and neurologic conditions; become familiar with functional outcomes and assessors; and better understand the psychosocial aspects of aging. In all, you can rely on Guscione's Geriatric Physical Therapy to help you be effective now and for the future in your practice. Comprehensive coverage of geriatric physical therapy prepares students and clinicians to provide thoughtful, evidence-based care for aging patients. Combination of foundational knowledge and clinically relevant information provides a meaningful background in how to effectively manage geriatric disorders. Updated information reflects the most recent and relevant information on the Geriatric Clinical Specialty Exam. Standard APTA terminology prepares students for terms they will hear in practice. Expert authorship ensures all information is authoritative, current, and clinically accurate. NEW: Thoroughly revised and updated content across all chapters keeps students up to date with the latest geriatric physical therapy protocols and conditions. NEW: References located at the end of each chapter point students toward credible external sources for further information. NEW: Treatment chapters guide students in managing common conditions in orthopedics, cardiopulmonary, and neurology. NEW: Chapter on functional outcomes and assessment lists relevant scores for the most frequently used tests. NEW: Chapter on psychosocial aspects of aging provides a well-rounded view of the social and mental conditions commonly affecting geriatric patients. NEW: Chapter on frailty covers a wide variety of interventions to optimize treatment. NEW: Enhanced eBook version is included with print purchase, allowing students to access all of the text, figures, and references from the book on a variety of devices.