

Evidence Based Rehabilitation A To Practice 2nd Edition

Presenting a variety of treatment choices supported by the latest clinical research, *Physical Agents in Rehabilitation: From Research to Practice, 3rd Edition* is your guide to understanding how, when, and why to apply physical agents in rehabilitation. This valuable resource details the most up-to-date information on thermal agents, ultrasound, electrical currents, hydrotherapy, traction, compression, lasers, and other forms of electromagnetic radiation, and provides straightforward, full-color explanations that make it easy to integrate physical agents into your patients' overall rehabilitation plans. Comprehensive discussion of the basis for and research on all physical agents generally used by rehabilitation clinicians. Contraindication and precaution boxes for every physical agent highlight vital information for safely applying treatments. Application technique boxes in each chapter provide helpful tips and guidelines for effective treatment. Clinical case studies sharpen your decision-making skills and are presented in each chapter and on the Evolve website searchable by physical agent or by Preferred Practice Patterns from the APTA's *Guide to Physical Therapy Practice, 2nd Edition*. Handy, quick-reference page on the inside back cover provides commonly-used abbreviations and acronyms, and commonly-used units of measure. Evolve companion website provides additional study tools to reinforce concepts from the text. Electronic versions of

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

the application techniques, glossaries, and Electrical Stimulation, Ultrasound, and Laser Light Handbook offer customizable quick-reference study guides. A full chapter detailing the latest research and clinical application recommendations for laser light therapy. Electrical Stimulation, Ultrasound, and Laser Light Handbook now presented in full color and included in this book and on the companion Evolve website for quick, convenient access to application parameters for these modalities. The companion Evolve website now also includes printable application techniques so you can create your own "how-to? manual for use in daily practice. Clinical pearls highlight and emphasize important content. Glossaries for every chapter introduce and explain new terms to make learning and understanding easier. Updated study questions provide an opportunity to test your knowledge of content from the book with boards-style questions. Engaging new learning resources on the Evolve website help you review glossary terms and practice figure labeling and table completion. Full-color design presents photos and illustrations in vivid detail. Covering the full range of rehabilitation research with a clear, easy-to-understand approach, this resource will help you analyze and apply research to practice. Rehabilitation Research: Principles and Applications examines traditional experimental designs as well as nonexperimental and emerging approaches, including qualitative research, single-system design, outcomes research, and survey research. Clinical case studies and references will enhance your skills as a scientist-practitioner. Written by noted educators Russell

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

Carter and Jay Lubinsky, this book emphasizes evidence-based practice within physical therapy, occupational therapy, and other rehabilitation professions. Discipline-specific examples are drawn from three major fields: physical therapy, occupational therapy, and speech-language pathology. Unique! Coverage of non-experimental research includes chapters on clinical case reports and qualitative research, so you can understand a wide range of research methods and when it is most appropriate to use each type. Expanded Single-Subject Design chapter provides a more thorough explanation and examples of multiple baselines, alternating treatments, and interactions -- designs that can be use in everyday clinical practice. Finding Research Literature chapter includes step-by-step descriptions of literature searches within different rehab professions. Student resources on a companion Evolve website allow you to review important concepts with exercises and discussion questions, research article analyses, and a downloadable spreadsheet. Unique! New Evidence-Based Practice chapter provides an overview of the important concepts of EBP and the WHO model of health and disease. Discussion questions on the companion Evolve website provide you with ideas for further study. Unique! Research article analyses on Evolve provide more in-depth analysis and demonstrate the writing style you should employ. New authors Russell Carter and Jay Lubinsky bring an interdisciplinary focus and a stronger emphasis on evidence-based practice.

This update of the popular first edition addresses 17 patient problems including the following: bowel, bladder,

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

skin, communication, cardiovascular, autonomic and pulmonary, pain, dysphagia, cognition, self care, mobility, intimacy and sexuality, nutrition, safety, energy conservation/sleep and fatigue, life span, metabolic syndrome and community reentry. Other new content features:· Identifies five essential steps for evidence-based nursing care· Highlights 17 common focus areas including bowel and bladder, skin management, pain, and dysphagia· Ask the "burning question" and consider changes to improve practice based on the scientific evidence· All new format presenting the available scientific evidence, an evaluation of the evidence, and implications for practice to support evidence-based practice for rehabilitation nursing care today.

Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9781556427688 .

While evidence-based practice (EBP) has greatly influenced rehabilitation in the past decade, it continues to evolve and practitioners need guidance to implement evidence into their practice. Evidence-Based Rehabilitation: A Guide to Practice, the best-selling text providing step-by-step EBP guidance for rehabilitation professionals, has been updated into an expanded Third Edition. In Evidence-Based Rehabilitation, Third Edition Drs. Mary Law and Joy MacDermid, along with their

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

contributors, explain evidence-based rehabilitation, the concepts underlying EBP, and build the reader's knowledge and skills through specific learning. The text is organized by the steps of the EBP

process--introduction to EBP, finding the evidence, assessing the evidence, and using the evidence. EBP focuses first and foremost on making the best decisions for each client and using the best information available.

For many rehabilitation practitioners, building skills in EBP is best done one step at a time. Evidence-Based Rehabilitation helps the rehabilitation student and practitioner develop his or her knowledge and skills to implement evidence-based rehabilitation in practice.

Benefits of the Third Edition: * All chapters have been updated with new information and resources * New chapters about systematic reviews, and knowledge transfer * Extensive guide available with specific student activities and answers for faculty use * Critical review forms included for student use--these forms have been used by practitioners and researchers around the world for 10 to 20 years * Recognition throughout the book that EBP in rehabilitation means bringing together research evidence, clinical reasoning of the therapist and client values and goals * Fits the standard 3-unit course design with 11 to 12 sessions Instructors in educational settings can visit www.efacultylounge.com for additional materials to be used for teaching in the classroom. Designed and written by an occupational therapist and a physical therapist with extensive research, education, and practice experience, Evidence-Based Rehabilitation: A Guide to Practice, Third Edition will guide both

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

occupational therapy and physical therapy students and practitioners as they incorporate evidence-based practice into their work.

The only text about counseling theories and techniques developed specifically for upper-level rehabilitation counseling students and practitioners, this book is now fully updated with a focus on evidence-based practice. It reflects the great strides made in incorporating research-based knowledge into counseling/therapy interventions since the first edition's publication nearly 10 years ago. The book disseminates the expertise of many of the most esteemed leaders and academic scholars in rehabilitation counseling. These authors emphasize state-of-the-art scientific evidence that supports the effectiveness of various counseling approaches and techniques for people with and without disabilities. New topics include evidence-based practice related to counseling/psychotherapy and motivational interviewing. Methodologies include person-centered counseling, solution-focused brief therapy, gestalt therapy, cognitive and behavioral therapies, psychodynamic therapy, and an Adlerian approach. The book describes basic counseling skills for rehabilitation, including motivational interviewing, group procedures, family counseling, and career and vocational counseling. Also addressed are counseling for individuals with substance abuse disorders, physical disabilities, psychiatric disabilities, and multicultural issues in counseling. Additionally, the book covers such professional issues as supervision in rehabilitation settings and managing risk. Case studies highlight the application of theories and techniques, and

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

each chapter also includes learning objectives and discussion exercises. Accompanying ancillaries include an instructor's manual containing a sample syllabus, an item bank for developing quizzes and exams, and classroom exercises, and PowerPoint presentations for each chapter. The text also serves as a valuable reference for rehabilitation and related health professions such as nursing, occupational therapy, physical therapy, speech and language therapy, and social work. NEW TO THE SECOND EDITION: Emphasizes state-of-the-art scientific evidence that supports the effectiveness of leading rehabilitation counseling theories and techniques Focuses on counseling theories and techniques regarding rehabilitation and health and chronic illness and disability Serves as a text for upper-level rehabilitation counseling students and a reference for rehabilitation counseling professionals Includes new chapters on evidence-based practice regarding counseling and therapy and motivational interviewing Instructor's manual and PowerPoint presentations

Fong Chan, PhD, CRC, received his PhD in rehabilitation counseling psychology from the University of Wisconsin–Madison in 1983. He is a full professor and director of clinical training (PhD Rehabilitation Psychology Program) in the Department of Rehabilitation Psychology and Special Education, University of Wisconsin–Madison. He is also the codirector of the Rehabilitation Research and Training Center on Evidence-Based Vocational Rehabilitation Practices. Before joining the faculty at University of Wisconsin–Madison in 1992, he was on the faculty in the

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

Department of Psychology at the Illinois Institute of Technology for 4 years and the Department of Rehabilitation Counseling Psychology at the University of Texas Southwestern Medical Center for 5 years. He is a certified rehabilitation counselor, a licensed psychologist, and a fellow in the American Psychological Association. Dr. Chan has more than 30 years of experience conducting applied rehabilitation research in the topical areas of psychosocial interventions, demand-side employment, transition and postsecondary education, evidence-based practice, and research methodologies. Dr. Chan has published over 250 refereed journal articles and book chapters. In addition, he is the editor of four textbooks: *Case Management for Rehabilitation Health Professionals*; *Counseling Theories and Techniques for Rehabilitation Health Professionals*; *Understanding Psychosocial Adjustment to Chronic Illness and Disability: A Handbook for Evidence-Based Practitioners in Rehabilitation*; and *Certified Rehabilitation Counselor Examination Preparation: A Concise Guide to the Foundations of Rehabilitation Counseling*. He also served as the co-chair for the U.S. Department of Education Rehabilitation Services Administration's 33rd Institute for Rehabilitation Issues on Evidence-Based Practice. Norman L. Berven, PhD, is professor emeritus in the Department of Rehabilitation Psychology and Special Education, University of Wisconsin–Madison, having served on the faculty since 1976, and he has chaired the rehabilitation psychology program for more than 20 years. He previously held positions as a rehabilitation counselor at the San Mateo

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

County Mental Health Service in California (now the San Mateo County Behavioral Health and Recovery Services), as a research associate at the ICD Rehabilitation and Research Center (now the Institute for Career Development) in New York City, and as an assistant professor at Seton Hall University. He is licensed as a psychologist and as a professional counselor by the state of Wisconsin and also holds the certified rehabilitation counselor credential. He is a fellow in the American Psychological Association and is a member of several professional associations in counseling, rehabilitation counseling, assessment, and counselor education. He has published more than 80 journal articles and book chapters on topics related to rehabilitation counseling, assessment, and counselor education and training. He has received the James F. Garrett Award for a Distinguished Career in Rehabilitation Research from the American Rehabilitation Counseling Association (ARCA), the ARCA Distinguished Professional Award, the American Counseling Association (ACA) Research Award, and 10 ARCA Research Awards. He has also received distinguished alumni awards from the Graduate Programs in Rehabilitation at the University of Iowa and from the rehabilitation psychology program at the University of Wisconsin–Madison. Kenneth R. Thomas, DEd, received his undergraduate and graduate education at Penn State University and his psychoanalytic education at the Center for Psychoanalytic Study in Chicago. Prior to receiving his doctoral degree, Dr. Thomas worked as a rehabilitation

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

counselor for the Pennsylvania Bureau of Vocational Rehabilitation at the Pennsylvania Rehabilitation Center in Johnstown. Following a 1-year academic appointment in the counselor education program at Penn State, he joined the faculty at the University of Wisconsin–Madison. At Wisconsin, he held several administrative positions, including chair of the Department of Rehabilitation Psychology and Special Education, chair of the Department of Therapeutic Science, and director of the Educational and Psychological Training Center within the School of Education. He was awarded professor emeritus status at the university in 2002. He has published three books and more than 125 refereed journal articles and book chapters in the areas of counseling, rehabilitation, disability, and psychoanalysis. He is a past president of the American Rehabilitation Counseling Association (ARCA), a fellow in three divisions of the American Psychological Association, and a recipient of the James Garrett Award for a Distinguished Career in Rehabilitation Research from the ARCA. He has also received the University of Wisconsin School of Education Distinguished Faculty Achievement Award, and he holds Alumni Fellow status at Penn State University.

We are most fortunate to be housed in an institution that embraces risk taking and innovation in education. Part of the joy of working at McMaster University is the sense that you will be supported in your efforts to develop new ways of facilitating learning even if these are not always successful. We are privileged to work with a group of exceptional colleagues who embrace - novation and

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

strive for ongoing excellence in education. Their commitment and - thusiasm emerges through the reading of the chapters. Patricia Solomon Sue Baptiste Hamilton, Ontario December, 2004

Contents VII Contents

Chapter 1 Skills for the Rehabilitation Professional of the Future Patricia Solomon, Sue Baptiste New Skills for the Changing Practice Context 2

Self-directed and Lifelong Learning Skills 3

Evidence-based Practice Skills 3

4 Consultation Skills 4

5 Communication Skills 5

5 Professionalism and Ethical Decision Making 5

6 Barriers to Implementing Innovative Curricula 6

7 Conclusion 7

8 References 8

9 Chapter 2 Curriculum Development and Design Sue Baptiste, Patricia Solomon

The Pedagogical Framework: Problem-based Learning 12

Approaching the Task of Curriculum Renewal 12

13 Where to Begin? 13

14 Designing Our New Programs 16

Redevelopment Within a Problem-based Learning Culture 18

18 Integration of Experiential Practice Preparation Within a Problem-based Learning Framework 18

18 Evaluation Within a Graduate Problem-based Learning Framework 19

Conclusion 20

References 22

VIII Contents Chapter 3 Strategies for Integrating Basic Sciences in Curriculum Hallie Groves Basic

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

Sciences in an Integrated Curriculum: What to Learn? 24 Strategies for Integrating Basic Sciences into Innovative Curricula 25 Selecting Learning Resources

The only physical rehabilitation text modeled after the concepts of the APTA's Guide to Physical Therapist Practice, 2nd Edition, this detailed resource provides the most complete coverage of rehabilitation across the preferred practice patterns of physical therapy all in one place! Each chapter is consistently organized to make it easy to find the information you need, with clear guidelines, examples, and summaries based on the latest clinical evidence to help you improve quality of care and ensure positive patient outcomes. In-depth, evidence-based coverage of more key content areas than any other rehabilitation resource of its kind, including orthopedics, neurology, and wound management, ensures a comprehensive understanding of rehabilitation supported by the latest clinical research. More than 65 case studies present a problem-based approach to rehabilitation and detail practical, real-world applications. Over 600 full-color illustrations clarify concepts and techniques. A FREE companion CD prepares you for practice with printable examination forms and reference lists from the text linked to Medline abstracts and reinforces understanding through interactive boards-style review questions, and vocabulary-building exercises.

This text on critical evaluation of research has been designed specifically by and for physical rehabilitation professionals. It presents the skills readers need to evaluate clinical literature

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

and incorporate findings into professional practice. ISBN on p. 4 of cover differs from ISBN on tp. verso. Learn to confidently manage the growing number of stroke rehabilitation clients with Gillen's Stroke Rehabilitation: A Function-Based Approach, 4th Edition. Using a holistic and multidisciplinary approach, this text remains the only comprehensive, evidence-based stroke rehabilitation resource for occupational therapists. The new edition has been extensively updated with the latest information, along with more evidence-based research added to every chapter. As with previous editions, this comprehensive reference uses an application-based method that integrates background medical information, samples of functionally based evaluations, and current treatment techniques and intervention strategies. Evidence-based clinical trials and outcome studies clearly outline the basis for stroke interventions. UNIQUE! Survivor's Perspectives help readers understand the stroke rehabilitation process from the client's point-of-view. UNIQUE! Case studies challenge readers to apply rehabilitation concepts to realistic scenarios. UNIQUE! A multidisciplinary approach highlights discipline-specific distinctions in stroke rehabilitation among occupation and physical therapists, physicians, and speech-language pathologists. Review questions in each chapter help readers assess their understanding of rehabilitation concepts. Key terms and chapter objectives at the beginning of each chapter help readers study more efficiently. Three new chapters broaden your understanding of stroke intervention in the areas of Using Technology to Improve Limb Function, Managing Speech and Language Deficits after Stroke, and Parenting after Stroke. Learning activities and interactive references on a companion Evolve Resources website help you review textbook content and locate additional information. In Clinical Orthopaedic Rehabilitation: An Evidence-Based

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

Approach, Dr. S. Brent Brotzman and Robert C. Manske help you apply the most effective, evidence-based protocols for maximizing return to function following common sports injuries and post-surgical conditions. A well-respected, comprehensive source for evaluating, treating, and rehabilitating orthopaedic patients, the 3rd Edition guides you on the prevention of running injuries, the latest perturbation techniques, and the ACL rehabilitation procedures and functional tests you need to help get your patients back in the game or the office. You'll also find a brand-new spine rehabilitation section, an extensively revised art program, and online access to videos demonstrating rehabilitation procedures of common orthopaedic conditions at www.expertconsult.com. Get expert guidance on everything you may see on a day-to-day basis in the rehabilitation of joint replacements and sports injuries. Apply evidence-based rehabilitation protocols to common sports conditions like ACL and meniscus injuries and post-surgical rehabilitation for the knee, hip, and shoulder. See how to perform perturbation techniques for ACL rehabilitation, ACL functional tests and return-to-play criteria after reconstruction, analysis of running gait to prevent and treat running injury, and more with videos online at www.expertconsult.com. Use the expert practices described in Tendinopathy and Hip Labral Injuries, part of the expanded "Special Topics" section, to help patients realize quicker recovery times. Visualize physical examination and rehabilitation techniques with the extensively revised art program that presents 750 figures and illustrations. With straightforward, in-depth coverage of the use of physical agents to improve patient outcomes, *Physical Agents in Rehabilitation: An Evidence-Based Approach to Practice*, 5th Edition reflects how physical agents and modalities are being discussed in the classroom. This new edition brings the ideal balance of evidence and practical instruction to the learning

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

and practice of physical agents in rehabilitation.

Comprehensive coverage of all physical agents includes the mechanisms, clinical effects, and application techniques for thermal agents, ultrasound, electrical currents, electromagnetic radiation, hydrotherapy, traction, and compression. Plus, each chapter includes a scientific rationale and step-by-step instructions in the use of the agent(s), as well as up-to-date research support and new Find the Evidence tables. The new edition is supported with electronic ancillaries including review questions for students, PowerPoints®, and links to all references on Medline.

Comprehensive coverage of all physical agents includes the mechanisms, clinical effects, and application techniques for thermal agents, ultrasound, electrical currents, electromagnetic radiation, hydrotherapy, traction, and compression. Find the Evidence tables guide the reader in finding up-to-date, patient-specific evidence using the PICO framework. UNIQUE Step-by-step illustrated application techniques boxes guide you in reproducing effective treatment options. Electronic ancillaries Electrical Stimulation, Ultrasound & Laser Light Handbook helps you to understand the material and can be printed out for quick reference to use in the clinical setting. NEW! Chapter on biofeedback complements the coverage of powered devices used in rehabilitation. UNIQUE! New Find the Evidence tables guide the reader in finding up-to-date, patient-specific evidence using the PICO framework.

Never HIGHLIGHT a Book Again Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanies: 9780872893795. This item is printed on demand.

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

This second edition of 'Low Back Disorders' provides research information on low back problems and shows readers how to interpret the data for clinical applications. Preceded by: Physical medicine and rehabilitation / [edited by] Randall L. Braddom. 4th ed. c2011.

In Evidence-Based Rehabilitation, Third Edition Drs. Mary Law and Joy MacDermid, along with their contributors, explain evidence-based rehabilitation, the concepts underlying EBP, and build the reader's knowledge and skills through specific learning. The text is organized by the steps of the EBP

process--introduction to EBP, finding the evidence, assessing the evidence, and using the evidence.

This text provides the most up-to-date information on evidence-based practice, the concepts underlying evidence-based practice, and implementing evidence into the rehabilitation practice. This text is organized by the steps of the process of evidence-based practice--introduction to evidence-based practice, finding the evidence, assessing the evidence, and using the evidence.

This text is a timely, practical and practice-related exploration of qualitative research, client-centred practice and evidence-based practice as these inter-relate and as they pertain to occupational and physical therapy.

Learn to confidently manage the growing number of stroke rehabilitation clients with Gillen's Stroke Rehabilitation: A Function-Based Approach, 5th Edition. Using a holistic and multidisciplinary approach, this unique text remains the only comprehensive, evidence-based stroke rehabilitation resource for occupational

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

therapists. This new fifth edition has been extensively updated to include the research, trends, and best practices in the field. As with previous editions, this comprehensive reference uses an application-based method that integrates background medical information, samples of functionally based evaluations, and current treatment techniques and intervention strategies. Case studies challenge you to apply rehabilitation concepts to realistic scenarios. Evidence-based clinical trials and outcome studies clearly outline the basis for stroke interventions. A survivor's perspective is included in one chapter to give you a better understanding of the stroke rehabilitation process from the client point-of-view. Multidisciplinary approach highlights discipline-specific distinctions in stroke rehabilitation among occupation and physical therapists, physicians, and speech-language pathologists. Review questions in each chapter help you assess your understanding of rehabilitation concepts. Key terms and chapter objectives at the beginning of each chapter help you study more efficiently. NEW! Revised and expanded content keeps you up to date on the latest information in all areas of stroke rehabilitation. NEW! Updated references reflect the changes that have been made in the field. NEW! Assessment Appendix and Pharmacological Appendix UPDATED! Resources for Educators and Students on Evolve

The most comprehensive physical therapy text available on the topic, *Orthotics & Prosthetics in Rehabilitation, 3rd Edition* is your one-stop resource for clinically relevant rehabilitation information. Evidence-based coverage

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

offers essential guidelines on orthotic/prosthetic prescription, pre- and post-intervention gait assessment and outcome measurement, and working with special populations. Comprehensive coverage addresses rehabilitation in a variety of environments, including acute care, long-term care and home health care, and outpatient settings. Authoritative information from the Guide to Physical Therapist Practice, 2nd Edition is incorporated throughout. World Health Organization (WHO) International Classification of Function model provides consistent language and an international standard to describe and measure health and disability from a biopsychosocial perspective. Case studies present real-life scenarios that demonstrate how key concepts apply to clinical decision making and evidence-based practice. A visually appealing 2-color design and a wealth of tables and boxes highlight vital information for quick reference and ease of use. Updated photos and illustrations reflect current clinical practice. Updated chapter on Assessment of Gait focuses on clinically useful outcome measures. Updated chapter on Motor Control and Motor Learning incorporates new insights into neuroplasticity and functional recovery. NEW! Integrated chapter on Lower Extremity Orthoses assists in clinical decision making about the best options for your patients. NEW! Chapter on Athletics after Amputation explores advanced training and athletics, including running and athletic competition to enhance the quality of life for persons with amputation. NEW! Chapter on the High Risk Foot and Wound Healing helps you recognize, treat, and manage wounds for the proper fit and

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

management of the patient. NEW! Chapter on Advanced Prosthetic Rehabilitation provides more thorough rehabilitation methods beyond the early care of persons learning to use their prostheses.

Rely on this comprehensive, curriculum-spanning text and reference now and throughout your career! You'll find everything you need to know about the rehabilitation management of adult patients... from integrating basic surgical, medical, and therapeutic interventions to how to select the most appropriate evaluation procedures, develop rehabilitation goals, and implement a treatment plan. Online you'll find narrated, full-color video clips of patients in treatment, including the initial examination, interventions, and outcomes for a variety of the conditions commonly seen in rehabilitation settings.

A comprehensive guide to managing spastic hypertonia after brain injury and the first full overview of this area
The ideal reference for therapeutic interventions that optimise arm and hand function to support goal achievement
An extensive clinical manual for neurological practice, a key reference for students and qualified practitioners, and a valuable resource for all occupational therapists and physiotherapists working with brain-injured clients

This volume of Progress in Brain Research follows on from the 32nd International Symposium of the Groupe de recherche sur le système nerveux central (GRSNC), May 2010, and aims to provide an overview of the various neural mechanisms that contribute to learning new motor and sensory skills, and to adapting to changed circumstances, including the use of devices and implants

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

to substitute for lost sensory or motor abilities (brain machine interfaces). The focus is on recent developments covering five major themes: Mechanisms to improve motor performance Neuro-rehabilitation of motor function Mechanisms to enhance sensory perception Cross modal interaction for enhancing sensorimotor performance Assistive technologies to enhance sensorimotor performance This volume focuses on the translation of scientific knowledge into applications and strategies that can help restore lost function following injury or disease including assistive neuroprosthetic technologies to enhance sensorimotor performance and neurorehabilitation. Leading authors review the state-of-the-art in their field of investigation and provide their views and perspectives for future research Chapters are extensively referenced to provide readers with a comprehensive list of resources on the topics covered All chapters include comprehensive background information and are written in a clear form that is also accessible to the non-specialist

Translating Evidence-Based Recommendations into Practice is a significant contribution to the field of brain injury rehabilitation. Never before have research outcomes been so accessible for use in everyday clinical practice. The Manual -- all 150 pages, including clinical forms -- is a practical guide for the implementation of evidence-based interventions for impairments of executive functions, memory, attention, hemispatial neglect, and social communication.

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

Issues in Orthopedics and Occupational and Sports Medicine: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Orthopedics and Occupational and Sports Medicine. The editors have built Issues in Orthopedics and Occupational and Sports Medicine: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Orthopedics and Occupational and Sports Medicine in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Orthopedics and Occupational and Sports Medicine: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. Evidence-based Rehabilitation A Guide to Practice Slack

In Evidence-based Neurology: Management of Neurological Disorders a carefully selected group of clinically experienced collaborators use the best available evidence to answer more than 100 clinical

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

questions about the treatment and management of neurological disorders. Divided into three sections and 24 chapters, this book fills the gap between guidelines and primary studies as well as between primary and secondary scientific medical literature summarizes the most recent and important findings on treatments for neurological patients measures the benefit and, when applicable, the risk of harm inherent in specific neurological interventions. This unique, evidence-based text, edited by members of the Cochrane Neurological Network will be an essential resource for all general neurologists, from the novice to the most experienced, in their everyday clinical practice.

Despite the apparently distinct differences between the disciplines of ergonomics and rehabilitation, they deal with the same issues, although at different ends of the spectrum. Keeping this in mind, *Ergonomics for Rehabilitation Professionals* explores their philosophies and goals, their parallel, divergent, and complementary aspects. It traces the origin of each field and examines the role of ergonomics in rehabilitation. The book begins with a theoretical and conceptual review of ergonomics and its role in rehabilitation. It covers anthropometry and its impact on human biomechanics, allowing readers to grasp complex concepts, visualize what forces are acting where, and understand the consequence of this force. A chapter on tissue mechanics provides an

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

understanding of the effect of the overall load on the tissues and a rationale for possible mechanisms of injury that can be used to design prevention and treatment methods. The book explores the relevant physiological issues, looking at the energy cost of activities and the data on strength and endurance. It discusses whole body biomechanics using an approach that supplies intuitive understanding of the effects of force, gravity, and physiological variables in an integrated manner. Addressing theoretical underpinnings with scientific rigor, the book covers a broad range of topics, always emphasizing design in rehabilitation. The editor's organization of the material develops concepts in concentric circles with increasing radii, sequencing ideas and exploring them from simple to complex. This selection of topics from two vast and seemingly diverse disciplines provides the tools for setting realistic goals and developing the strategies to achieve them.

Physiotherapy as a profession has changed radically in the last few years with the rapid development of interventions based on a wider and sounder theoretical basis, the development of reliable measurement tools and vigorous testing of outcomes. Science-based Rehabilitation describes various aspects of rehabilitation by a distinguished group of international contributors who share a passion for scholarship and a vision of translating theory into practice. The authors cover assessment

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

through to the nature and contribution of impairments to disability and finally handicap and reflect the research outcomes of physiotherapists. It is a clear illustration of where we are now and where we have come from.

Gain a strong foundation in the field of orthotics and prosthetics! Orthotics and Prosthetics in Rehabilitation, 4th Edition is a clear, comprehensive, one-stop resource for clinically relevant rehabilitation information and application. Divided into three sections, this text gives you a foundation in orthotics and prosthetics, clinical applications when working with typical and special populations, and an overview of amputation and prosthetic limbs. This edition has been updated with coverage of the latest technology and materials in the field, new evidence on effectiveness and efficacy of interventions and cognitive workload associated usage along with enhanced color photographs and case studies - it's a great resource for students and rehabilitation professionals alike. Comprehensive coverage addresses rehabilitation in a variety of environments, including acute care, long-term care and home health care, and outpatient settings. Book organized into three parts corresponding with typical patient problems and clinical decision-making. The latest evidence-based research throughout text help you learn clinical-decision making skills. Case studies present real-life scenarios that demonstrate how key

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

concepts apply to clinical decision-making and evidence-based practice. World Health Organization disablement model (ICF) incorporated to help you learn how to match patient's limitations with the best clinical treatment. Multidisciplinary approach in a variety of settings demonstrates how physical therapists can work with the rest of the healthcare team to provide high quality care in orthotic/prosthetic rehabilitation. The latest equipment and technology throughout text addresses the latest options in prosthetics and orthotics rehabilitation Authoritative information from the Guide to Physical Therapist Practice, 2nd Edition is incorporated throughout. A wealth of tables and boxes highlight vital information for quick reference and ease of use. NEW! Color photographs improve visual appeal and facilitates learning. NEW! Increased evidence-based content includes updated citations; coverage of new technology such as microprocessors, microcontrollers, and integrated load cells; new evidence on the effectiveness and efficacy of interventions; and new evidence on cognitive workload usage. NEW! Authors Kevin K Chui, PT, DPT, PhD, GCS, OCS, CEEAA, FAAOMPT and Sheng-Che (Steven) Yen, PT, PhD add their expertise to an already impressive list of contributors.

This book is the result of a "State-of-the-Art-Conference" held at the University of Georgia

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

dedicated to the evidence-based treatment of stuttering. An international group of prominent fluency researchers and clinicians were invited to present and discuss current data and issues related to the treatment of stuttering. The topic was defined to include evidence about stuttering, evidence about stuttering treatment, and discussions of how that evidence should guide the continuing research and practice. The explicit link between empirical evidence and suggestions for clinical practice is the goal of the book. The book begins by addressing the notion of "evidence-based practice" and considers its implications for stuttering treatment. Part II presents the intersection of the nature of stuttering; the theories of stuttering; and the implications of nature, theory, and other knowledge for stuttering treatment decisions. Part III provides two of the many measurement issues facing stuttering treatment followed by Part IV, which is devoted to the quality of treatment research evidence, for specific treatments and in terms of some more general methodological and professional issues. The final part summarizes the clinical recommendations made throughout the book and discusses evidence-based, outcomes-focused clinical decisions for stuttering. These chapters are intended to provide "state-of-the-art" information to researchers, clinicians, and students who are interested in developing, identifying, or using the best possible evidence-based treatments

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

for stuttering.

Evidence-based practice has become a central part of physiotherapy today, but it is still an area which is constantly expanding and being updated. Written by an international team of experts, this second edition continues to outline the basic definitions of evidence-based practice and clinical reasoning, while detailing how to find and critically appraise evidence and clinical practice guidelines and the steps to follow in the implementation and evaluation of evidence. For those struggling to understand both the concepts and how to implement them, this book will prove to be an invaluable and practical guide. Considers how both quantitative and qualitative research can be used to answer clinical questions

Written for readers with different levels of expertise

- Highlighted critical points and text box summaries (basic)
- Detailed explanations in text (intermediate)
- Footnotes (advanced)

Presents detailed strategies for searching physiotherapy-relevant databases

Extensive consideration of clinical practice guidelines

Chapter asking the question: When and how should new therapies be introduced into clinical practice?

Search strategies

Evaluating quality of interventions

Placebo effects

Meta-regression

In this book, some of the leading clinicians and cognitive neuroscientists consider the effectiveness of cognitive rehabilitation. They situate the issues within an overall context that considers the different types and levels of diagnosis and assessment, the adequacy of underlying cognitive theory for rehabilitation, and more importantly, the clinical effectiveness of current treatments to improve

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

functional recovery. By employing an evidence-based approach that critically evaluates the published literature, the book provides for a better understanding of the strengths and limitations of the cognitive approach and hopefully a more realistic expectation of its outcome for patients with neurological deficits. The book will serve as a valuable source for a wide spectrum of professionals who deal with the neuropsychological and neurological effects of brain damage.

The Second Edition of this best-selling text has been completely revised and updated with new insights, evidence, and references throughout every chapter. There are two new chapters -- Evidence-Based Regulation and Evidence-Based Leadership -- that expand on concepts and examine the framework of evidence-based management.

The aim of neuropsychological rehabilitation is to enable people with cognitive, emotional, or behavioural deficits to achieve their maximum potential in the domains of psychological, social, leisure, vocational or everyday functioning. Describing the holistic programme devised and adopted at the world famous Oliver Zangwill Centre and embracing a broad theoretical base, incorporating a variety of frameworks, theories and models, this book proposes an integrated approach to brain injury rehabilitation by an interdisciplinary team. The coverage explains the underlying principles involved, describes the group therapies employed, highlights a selection of real case examples and reviews the outcomes measured and achieved. This book is essential reading for clinical neuropsychologists, clinical psychologists, speech and

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

language therapists, occupational therapists, psychiatrists, neurologists, physiotherapists, social workers and nurses.

Find out how to use evidence to improve your practice!

Thoroughly covering the full range of rehabilitation research with a clear, easy-to-understand approach, *Rehabilitation Research: Principles and Applications, 5th Edition* will help you analyze and apply research to practice. It examines traditional experimental designs as well as nonexperimental and emerging approaches, including qualitative research, single-subject designs, outcomes research, and survey research. Ideal for students and practitioners in physical therapy, occupational therapy, and communication sciences and disorders, this user-friendly resource emphasizes evidence-based practice and the development of true scientist-practitioners. Evidence-Based Practice chapter provides an overview of the important concepts of EBP and the WHO model of health and disease.

Interdisciplinary author team consisting of a PT and an ASHA dually-certified SLP/AUD brings an interdisciplinary focus and a stronger emphasis on evidence-based practice. Discipline-specific examples are drawn from three major fields: physical therapy, occupational therapy, and communication sciences and disorders. Coverage of nonexperimental research includes chapters on clinical case studies and qualitative research, so you understand a wide range of research methods and when it is most appropriate to use each type. Finding Research Literature chapter includes step-by-step descriptions of literature searches within different

Online Library Evidence Based Rehabilitation A To Practice 2nd Edition

rehabilitation professions. NEW! Completely updated evidence-based content and references makes the information useful for both students and rehab practitioners. UPDATED! Expanded Single-Subject Designs chapter provides a more thorough explanation and examples of withdrawal, multiple baselines, alternating treatments, and interactions - designs that you can use in everyday clinical practice.

This book constitutes the thoroughly refereed proceedings of the second International Workshop on ICTs for Improving Patients Rehabilitation Research Techniques, REHAB 2014, held in Oldenburg, Germany, in May 2014. The 26 revised full papers presented were carefully reviewed and selected from 69 submissions. The papers focus on virtual and enhanced environments, covering topics such as motor rehabilitation; neuroimaging in rehabilitation; virtual rehabilitation; clinical assessment; cognitive rehabilitation; communication and language; ambisonics and audio environments; haptic devices; sensory impairment; medical systems; input devices; sensors and actuators; multi-user systems for user interaction; computer access; virtual humans; balance, posture and mobility; communications aids; tools for architectural/CAD design; product design, testing and prototyping; training tools for rehabilitation; augmented reality applications; human factors; rehabilitation robotics.

[Copyright: bed7dba47f0d2f27bdfac473a5889d58](https://doi.org/10.1007/978-1-4939-9899-9)