

Rehabilitation Guidelines For Unilateral Total Knee

The focus of this book lies on novel aspects of rehabilitation medicine used as a treatment tool in both physical and mental spheres. The articles cover a diverse spectrum, such as rehabilitation in orthopedic pathologies, the exemplary of which is knee joint degeneration, in perioperative metastatic cancer diseases, or in neural degeneration requiring a transplant of donor nerve fibers into the defunct nerve. Advanced research studies involving proprioceptive neuromuscular facilitation, photobiomodulation, or yoga meditative techniques to regain functional ability are dealt with. The topic is expanded by a comprehensive picture of chosen molecular, genetically underpinned, diagnostics in hepatitis C infections and of novel ideas in drug design holding a curative promise in central neurodegeneration, such as development of brain-blood-barrier permeable oleic derivatives of the hydrophilic dopamine compound. The emerging rehabilitative modes and applications are posed to influence future health care delivery. The state-of-the art research is addressed to scientists, clinicians, therapists, and allied health care professionals.

Evidence-Based Practice of Anesthesiology, 2nd Edition, by Lee A. Fleisher, MD, summarizes the best available evidence concerning the most common clinical questions that anesthesiologists face every day, so you will have an informed basis for making effective patient management decisions. This edition covers 24 new topics and explores a full range of important issues in perioperative management -- discussing the clinical options, examining the relevant research, and presenting expert recommendations. It features the latest information on clinical situations and reviews all

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clinical options based on the most recent clinical trials, providing a valuable framework for translating evidence into practice. Explores key topics such as preoperative preparation, perioperative management, regional anesthesia, monitoring, cardiovascular anesthesia, neurosurgical anesthesia, obstetrical anesthesia, pediatric anesthesia, and pain, Uses a practical, consistent format in each chapter, providing an overview of the question under discussion... an outline of the available management options... a review of the relevant evidence... identification of areas of uncertainty... a summary of existing management guidelines... and the author's recommendations. Provides tables that summarize the available literature as well as the recommended clinical approaches at a glance. Covers routine care as well as complicated and special situations to prepare you for a full range of challenges. Provides the latest information on clinical situations and reviews all clinical options based on the most recent clinical trials, to provide a valuable framework for translating evidence into practice. Presents coverage of 24 new topics including use of ultrasound guidance for regional anesthesia, effectiveness of preoperative clinics, perioperative brain protection and risk factors for perioperative stroke, optimal postoperative analgesia, and many others to help you keep you up to date.

Essentials of Physical Medicine and Rehabilitation E-Book Elsevier Health Sciences

Divided into two parts, physiology and sports injury management, this is an innovative clinical- and evidence-based guide, which engages with the latest developments in athletic performance both long and short term. It also considers lower level exercise combined with the pertinent physiological processes. It focuses on the rationale behind diagnostic work up, treatment bias and rehabilitation philosophy, challenging convention within the literature to

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what really makes sense when applied to sports settings. Drawing upon experts in the field from across the world and various sports settings, it implements critical appraisal throughout with an emphasis on providing practical solutions within sports medicine pedagogy. Dovetails foundational sports physiology with clinical skills and procedures to effectively manage sports injuries across a variety of settings Takes an interdisciplinary approach and draws upon both clinical- and evidence-based practice Contributed by leading international experts including academics, researchers and in-the-field clinicians from a range of sports teams including the Royal Ballet and Chelsea FC Pedagogical features include learning objectives, clinical tip boxes, summaries, case studies and Editor's commentary to/critique of concepts and techniques across chapters

Designed to help therapists provide post-surgical rehabilitation based on best practices and evidence-based research, this comprehensive reference presents effective guidelines for postsurgical rehabilitation interventions. Its authoritative material is drawn from the most current literature in the field as well as contributions from expert physical therapists, occupational therapists, and athletic trainers affiliated with the Hospital for Special Surgery (HSS). A DVD accompanies the book, featuring over 60 minutes of video of patients demonstrating various therapeutic exercises spanning the different phases of postsurgical rehabilitation. Examples include hand therapy procedures, working with post-surgical patients with cerebral palsy, sports patient injuries, and pediatric procedures for disorders such as torticollis. Material represents the best practices of experts with the Hospital of Special Surgery, one of the best known and most respected orthopedic hospitals. Phases of treatment are defined in tables to clearly show goals, precautions, treatment strategies and criteria for surgery.

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Many of the treatment strategies are shown in videos on the accompanying DVD, enabling the user to watch the procedure that is discussed in the text. Information on pediatric and geriatric patients explores differing strategies for treating these populations. Treatments specific to sports injuries are presented, highlighting the different rehabilitation procedures available for athletes. An entire section on hand rehabilitation provides the latest information for hand specialists. Information on the latest treatment strategies for hip replacement presents complete information on one of the most common procedures. Easy-to-follow guidelines enable practitioners to look up a procedure and quickly see the recommended rehabilitation strategy. A troubleshooting section provides solutions for common problems that may occur following each phase of the rehabilitation process. Broad coverage addresses both traditional techniques as well as newer methods in a single resource. Clear photos and illustrations show how to correctly perform the techniques described in the book.

This book is the first comprehensive, authoritative reference that provides a broad and comprehensive overview of Enhanced Recovery After Surgery (ERAS). Written by experts in the field, chapters analyze elements of care that are both generic and specific to various surgeries. It covers the patient journey through such a program, commencing with optimization of the patient's condition, patient education, and conditioning of their expectations. Organized into nine parts, this book discusses metabolic responses to surgery, anaesthetic contributions, and optimal fluid management after surgery. Chapters are supplemented with examples of ERAS pathways and practical tips on post-operative pain control, feeding, mobilization, and criteria for discharge. Enhanced Recovery After Surgery: A Complete Guide to Optimizing Outcomes is an indispensable manual that thoroughly

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explores common post-operative barriers and challenges. Providing a wealth of guidelines and background information on postsurgical rehabilitation of the orthopedic patient in a convenient format, this portable reference is the therapist's first choice for a quick overview of the rehabilitation plan following orthopedic surgery. Easy-to-follow phase-guideline boxes encapsulate crucial information for over 45 surgeries into phases of healing and rehabilitation covering goals, precautions, treatment strategies, and criteria for advancement — perfect for the busy clinical setting. Quickly find and review the information you need with convenient bulleted rehabilitation guideline tables. Succinct overviews of surgical procedures help you remember key details of surgical procedures. Brief overviews of rehabilitation plans let you quickly review the principles and strategies of rehabilitation that promote healing and recovery from orthopedic surgical procedures. Criteria for advancement help you determine when your patient is ready to advance to the next phase of rehabilitation. Editors and contributors from one of the world's most prestigious orthopedic hospitals provide authoritative guidance on orthopedic rehabilitation.

"This text provides readers with the information and tools needed to understand what constitutes evidence, search efficiently for applicable evidence in the literature, evaluate the findings in the literature, and integrate the evidence with clinical judgment and individual patient preferences and values. Students will learn how evaluate research designs, appraise evidence, and apply research in clinical practice"--Provided by publisher.

Designed in a concise, easy-to-read style for a wide variety of medical occupations, the Rehab Clinical Pocket Guide is the ideal, handy reference for rehabilitation professionals and other health

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providers. Divided into four sections that cover inpatient care, clinical strategies, outpatient care, and additional diagnostics and therapeutics, this is the first book of its kind to contain all of the relevant clinical information needed on the rehabilitation unit, including topics such as medication dosing, consultant recommendations, specific rehabilitation goals and treatments, and even billing details for various diagnoses. The Rehab Clinical Pocket Guide offers all the clinical material needed to properly treat patients and excel in the field of physical medicine and rehabilitation and will prove an indispensable resource for therapists, nutritionists, medical students, and physicians alike.

This book has a unique focus on physiotherapy techniques and training methods that are ideally suited for the obese patient. Despite its related comorbidities and disability, not to mention its pandemic proportions, the impact of obesity on individual capacities and rehabilitative outcomes is often neglected by physiotherapists and physical trainers alike. The number of disabled subjects who are also obese is now increasing worldwide, as is the rate of obese patients admitted to post-acute rehabilitation units. The effective rehabilitative treatment of these patients involves special multidisciplinary considerations. This book fills that gap, by gathering evidence-based chapters addressing not only the physiological limitations of

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obese subjects but also state-of-the-art, novel and specific treatment and training modalities suited for these patients. Though the content is primarily intended for rehabilitation practitioners (physiotherapists, nutritionists, dieticians, psychologists, PRM specialists), it will also benefit students and researchers engaged in this particular multidisciplinary field. The book's ultimate goal is to increase professionals' awareness of this multidisciplinary area, and to provide a pragmatic guidebook for those who want to engage in the rehabilitation of patients who are also obese.

Physical Rehabilitation of the Injured Athlete is a medical reference book that equips you to apply today's hottest strategies in non-operative sports rehabilitation, so you can help your patients return to play as quickly and fully as possible. Send your players back to the field fast with the latest strategies in non-operative sports rehabilitation. Get balanced, dependable guidance on sports rehabilitation from a multidisciplinary author team that contributes perspectives from orthopaedics and sports medicine, athletic training, and physical therapy. Ensure effective treatment planning with a stronger emphasis on evidence-based practice. Master the latest with brand-new chapters on Developing Treatment Pathways, Biomechanical Implications in Shoulder and Knee Rehabilitation, Temporomandibular Rehabilitation, Thigh

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Rehabilitation, Gait Assessment, Functional Movement Assessment, and Plyometric Training Drills. Access the fully searchable text, downloadable image bank, and 9 online-only appendices at www.expertconsult.com. Andrews provides evidence-based guidance for sports medicine rehabilitation.

Organized by therapeutic goals, the Third Edition of this comprehensive textbook on electrotherapies provides a fundamental understanding of contemporary, evidence-based intervention and assessment procedures. The text takes a problem-oriented approach and recommends interventions consistent with both theory and the clinical efficacy of the intervention for specific, clearly identified clinical disorders. This edition has a new chapter on electrical stimulation and biofeedback for genitourinary dysfunction, including incontinence management in both women and men. All the intervention-based chapters have a new format that emphasizes evidence-based practice and practical application. Additional self-study questions are included in each chapter. **NEW TO THIS EDITION:** New chapter on Electrical Stimulation and Biofeedback for Genitourinary Dysfunction (Chapter 9) includes topics such as incontinence management in both women and men, and gives solid evidence to support or refute specific procedures. New organization Chapter on mechanisms of pain

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transmission and pain control with electrotherapy will be moved up to chapter 4 to make the first four chapters the theoretical basis for the clinical application chapters that follow. Chapter on electrophysiologic evaluation will become the last chapter (chapter 12) in order to enable students to meet core educational competencies. New chapter format for the intervention chapters (chapters 5-11) adds consistency and clarity to emphasize evidenced-based practice and practical application. Additional self-study questions are included in each chapter to enhance understanding of key concepts. New emphasis on evidence-based preferential practice patterns.

This multi-contributed, comprehensive book covers revision surgery for total hip and knee arthroplasty. The focus of Revision Total Hip and Knee Arthroplasty will be on the techniques of revision surgery. Separated into a hip section and a knee section, each will include evaluation of the failed replacement, revision surgery, surgical technique, revision for specific diagnosis, complications, and postoperative management.

This comprehensive, authoritative text presents the scientific foundations and clinical practice of neural blockade in both regional anesthesia and the management of pain. The descriptions and illustrations of pain mechanisms are considered classic examples. The Fourth Edition has been

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refined for clarity and flows logically from principles and pharmacology, to techniques for each anatomic region, to applications. This edition has two new co-editors and several new chapters on topics including neurologic complications, neural blockade for surgery, treatment of pain in older people, and complications in pain medicine. A companion Website will offer the fully searchable text and an image bank.

Pain is the most common symptom when sickness occurs. The treatment of any illness is directed towards both the cure of underlying pathology and the decrease of suffering. Every health care provider should be familiar with pain medicine. In the last decade, an overwhelming amount has been added to our knowledge of pain and its management. By contrast with the textbooks on this complex subject, *A Guide to Pain Medicine* is intended to be a convenient practical reference. It provides up-to-date information on specific topics of frequent relevance to the work of the general practitioner. The book is designed for clear presentation of the pertinent facts and recent advances on pain medicine. As such, it also serves as a primer for more comprehensive study. The reader is encouraged to bring the book to the clinic and ward for reading and reference. In this way a firm foundation for pain medicine could be acquired.

The Video-Based Aural Rehabilitation Guide:

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Enhancing Listening and Spoken Language in Children and Adults is the first aural rehabilitation book of its kind to intertwine chapter text with over 200 captioned videos. This unique resource is intended to educate undergraduate and graduate students in speech-language pathology, audiology, and education of the deaf and hard of hearing, as well as enhance the knowledge and skills of practicing professionals. The extensive videos are also an invaluable resource for students enrolled in a clinical or student teaching practicum. Videos feature speech-language pathologists, audiologists, Listening and Spoken Language Specialists, teachers of the deaf and hard of hearing, early interventionists, otologists, and occupational therapists practicing in settings such as clinics, private practices, schools, hospitals, and the community. Topics addressed in the text and videos include hearing technologies, aural rehabilitation procedures, factors that affect intervention outcomes, fundamentals of assessment, supports for education, counseling for children and adults with hearing loss, and the psychosocial well-being of persons with hearing loss and their families. The Video-Based Aural Rehabilitation Guide can be used as a stand-alone text or as a companion alongside the most frequently used aural rehabilitation textbooks. Key Features: * Over 200 captioned videos accessible on a companion site *

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Collaboration among 14 professionals in audiology, speech-language pathology, Listening and Spoken Language, medicine, education, research, and psychology * Chapters with concise summaries, recommended resources for further learning, and study questions with answer keys * Background information on the individuals featured in the videos * This exciting new text with instructional videos is a much-needed bridge that integrates the disciplines of speech-language pathology, audiology, and education of the deaf and hard of hearing to educate professionals serving children and adults with hearing loss and their families. NOTE: This ebook has 200+ embedded videos which could make it slower to download and open than a text-only ebook.

Evidence-Based Orthopedics is an up-to-date review of the best evidence for the diagnosis, management, and treatment of orthopedic conditions. Covering orthopedic surgery as well as pre- and post-operative complications, this comprehensive guide provides recommendations for implementing evidence-based practice in the clinical setting. Chapters written by leading clinicians and researchers in the field are supported by tables of evidence that summarize systematic reviews and randomized controlled trials. In areas where evidence is insufficient to recommend a practice, summaries of the available research are provided to assist in decision-making. This fully revised new edition reflects the most recent evidence using the approved evidence-based medicine (EBM) guidelines and methodology. The text now places greater emphasis on GRADE—a transparent framework for developing and presenting summaries of evidence—to allow

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readers to easily evaluate the quality of evidence and the strength of recommendations. The second edition offers a streamlined presentation and an improved standardized format emphasizing how evidence in each chapter directly affects clinical decisions. Incorporating a vast amount of new evidence, *Evidence-Based Orthopedics: Features* thoroughly revised and updated content, including a new chapter on pediatric orthopedics and new X-ray images Provides the evidence base for orthopedic surgery as well as pediatric orthopedics and orthopedic conditions requiring medical treatment Covers the different methods for most orthopedic surgical procedures, such as hip replacements, arthroscopy, and knee replacements Helps surgeons and orthopedic specialists achieve a uniform optimum standard through a condition-based approach Aligns with internationally accepted guidelines and best health economic principles *Evidence-Based Orthopedics* is an invaluable resource for orthopedic specialists, surgeons, trauma surgeons, trainees, and medical students.

Perianesthesia Nursing Care: A Bedside Guide for Safe Recovery, Second Edition is an essential reference for clinicians caring for perianesthesia patients in a variety of situations, such as in a preop and postanesthesia care unit (PACU), an intensive care unit (ICU), a procedural recovery area, or on a labor and delivery unit. Ideal for perianesthesia nursing orientation and perioperative cross-training programs, it is also a valuable tool for nursing students preparing to sit for the Certified Post Anesthesia Nursing (CPAN) and Certified Ambulatory Perianesthesia Nurse (CAPA) certification examinations. With contributions from leading experts, this reference addresses common clinical issues, population specific knowledge, and surgery specific knowledge. The Second Edition includes a new chapter on trauma, an increased emphasis on non-OR areas, and an

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extended focus on pediatric patients.

From the office to the operating room to the emergency department, this practical, pocket-sized guide is an essential guide for advanced practice providers of orthopaedic care. Filling an important resource gap for the orthopaedic team, this manual focuses on the aspects of musculoskeletal care that an advanced care practitioner will commonly provide in daily practice. It clearly covers the specific skills and knowledge that enable physician assistants and nurse practitioners to provide high-quality, cost-effective care, with the goal of restoring each patient to maximum functional capacity and quality of life.

Cemented Total Hip Arthroplasty (THA) remains one of the most successful procedures in Orthopaedic surgery. It has become very clear that it is the surgical expertise, in particular the quality of the cementing technique, which will affect long-term outcome and success. It is the intention of this book to provide an up-to-date comprehensive assessment of the entire field of cemented THA. Special emphasis has been given to practice-relevant aspects: well-illustrated and detailed operative steps as a practical guideline, a basic science chapter and long-term outcome data are provided. Minimally invasive surgery, modern perioperative management and patient fast tracking are covered. A number of highly respected experts have contributed to this in-depth compilation of the "state of the art" in 2005. This book is written and intended for both, trainees and established arthroplasty surgeons who are dedicated to perform a well-cemented THA.

Covering the full spectrum of rehabilitation after traumatic brain injury, this practical reference by Drs. Blessen C. Eapen and David X. Cifu presents best practices and considerations for numerous patient populations and their unique needs. In an easy-to-read, concise format, it covers the key information

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you need to guide your treatment plans and help patients relearn critical life skills and regain their independence.

Covers neuroimaging, neurosurgical and critical care management, management of associated complications after TBI, pharmacotherapy, pain management, sports concussion, assistive technologies, and preparing patients for community reintegration. Discusses special populations, including pediatric, geriatric, and military and veteran patients. Consolidates today's available information and guidance in this challenging and diverse area into one convenient resource.

Physical Rehabilitation of the Injured Athlete is a medical reference book that equips you to apply today's hottest strategies in non-operative sports rehabilitation, so you can help your patients return to play as quickly and fully as possible. Send your players back to the field fast with the latest strategies in non-operative sports rehabilitation. Get balanced, dependable guidance on sports rehabilitation from a multidisciplinary author team that contributes perspectives from orthopaedics and sports medicine, athletic training, and physical therapy. Ensure effective treatment planning with a stronger emphasis on evidence-based practice. Master the latest with brand-new chapters on Developing Treatment Pathways, Biomechanical Implications in Shoulder and Knee Rehabilitation, Temporomandibular Rehabilitation, Thigh Rehabilitation, Gait Assessment, Functional Movement Assessment, and Plyometric Training Drills.

Here is all the guidance you need to customize interventions for individuals with movement dysfunction. You'll find the perfect balance of theory and clinical technique—depth discussions of the principles of therapeutic exercise and manual therapy and the most up-to-date exercise and management guidelines.

Two-volume set contains: The Concise Guide to

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Physiotherapy: Volume 1 Assessment and The Concise Guide to Physiotherapy: Volume 2 Treatment. A blend of resources providing an insight into the 'non core' areas of practice, enabling the individual to prepare ahead or refresh knowledge in order to feel confident about managing patients in practice areas not previously encountered. Together, both volumes are designed to assist undergraduate physiotherapy students and new graduates in confidently assessing and treating patients in a range of physiotherapy specialties outside of the 'core' areas of practice. Areas covered include paediatrics, geriatrics, mental health and rheumatology. Valuable content is easily accessible in a small portable format which will be an invaluable reference during placements or practice. Each chapter provides a concise overview of the philosophy and the specific assessment processes for each of the 17 practice specialties. A wealth of online learning resources are also available with both Volumes, these include access to case studies, multiple-choice questions and a reference list for each chapter. In addition there is a bank of downloadable photographs and line drawings relating to each of the 17 chapters. Both volumes used together will be an indispensable tool for any physiotherapist. Easy access to nuggets of information on 17 'non core' speciality areas, including burns and plastics, learning disabilities and rehabilitation A handy quick reference tool for both students and physiotherapists Gives insight into the philosophy of approach that can be taken in either assessing or treating the individual Access to online resources including, reference lists, an image bank, 51 cases studies and over 300 MCQs!

The foremost authorities from chiropractics, orthopaedics and physical therapy present a practical overview of spinal rehabilitation. This

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clinical resource presents the most current and significant spinal rehab information, showing how to apply simple and inexpensive rehabilitation in the office. The updated Second Edition includes clinical/regional protocols and chapters on diagnostic triage, acute care, functional assessment, recovery care, outcomes, and biopsychosocial aspects. A bonus DVD offers demonstrations of key therapies and procedures.

Insall & Scott Surgery of the Knee by Dr. W. Norman Scott remains the definitive choice for guidance on the most effective approaches for the diagnosis and management of the entire scope of knee disorders. This edition reflects a complete content overhaul, with more than 50 new chapters and over 400 contributors from around the world. The video program includes 70 new video clips, while new and expanded material covers a range of hot topics, including same-day surgery and hospital management of knee arthroplasty patients and anesthesia specific for knee surgery. Extensive visual elements and video program include nearly 70 new videos -- over 230 in total -- as well as a Glossary of Implants featuring 160 demonstrative pictures. Over 50 new chapters and brand-new sections on Same Day Surgery and Hospital Management of Knee Arthroplasty Patients; Quality and Payment Paradigms for TKA; Anesthesia Specific for Knee Surgery; and Preoperative

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Assessment, Perioperative Management, and Postoperative Pain Control. An expanded Adult Reconstruction Section informs readers about Enhanced Primary Revision and the treatment of Peri-prosthetic fractures in TKA. Includes enhanced worldwide approaches for all aspects of disorders of the knee from nearly 400 contributors worldwide. Boasts updated pediatric knee considerations and updated tumor surgery principles for the treatment of tumors about the knee.

The incidence of total hip arthroplasty is increasing in number because of successful outcomes.

Although technically challenging, once mastered a hip replacement is one of the most gratifying surgeries for both patient and surgeon. This book covers some of the most important aspects of hip replacement surgery. These include preoperative planning, anesthesia, classification systems, management of proximal femur fractures, anterior approach, complications, and rehabilitation aspects of hip arthroplasty. The book is intended for arthroplasty surgeons, anesthesiologists, and physical therapists who will find the book useful in parts and as a whole if they deal with arthroplasty cases on a regular basis. Experience-based narration of various subjects by authors ensures that first-hand experience is passed on to readers in a simple, easy-to-understand manner.

Long recognized as an essential reference for

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therapists and surgeons treating the hand and the upper extremity, *Rehabilitation of the Hand and Upper Extremity* helps you return your patients to optimal function of the hand, wrist, elbow, arm, and shoulder. Leading hand surgeons and hand therapists detail the pathophysiology, diagnosis, and management of virtually any disorder you're likely to see, with a focus on evidence-based and efficient patient care. Extensively referenced and abundantly illustrated, the 7th Edition of this reference is a "must read" for surgeons interested in the upper extremity, hand therapists from physical therapy or occupational therapy backgrounds, anyone preparing for the CHT examination, and all hand therapy clinics. Offers comprehensive coverage of all aspects of hand and upper extremity disorders, forming a complete picture for all members of the hand team—surgeons and therapists alike. Provides multidisciplinary, global guidance from a Who's Who list of hand surgery and hand therapy editors and contributors. Includes many features new to this edition: considerations for pediatric therapy; a surgical management focus on the most commonly used techniques; new timing of therapeutic interventions relative to healing characteristics; and in-print references wherever possible. Features more than a dozen new chapters covering Platelet-Rich Protein Injections, Restoration of Function After Adult Brachial Plexus Injury, Acute Management of

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Upper Extremity Amputation, Medical Management for Pain, Proprioception in Hand Rehabilitation, Graded Motor Imagery, and more. Provides access to an extensive video library that covers common nerve injuries, hand and upper extremity transplantation, surgical and therapy management, and much more. Helps you keep up with the latest advances in arthroscopy, imaging, vascular disorders, tendon transfers, fingertip injuries, mobilization techniques, traumatic brachial plexus injuries, and pain management—all clearly depicted with full-color illustrations and photographs.

Written by experts at the top-ranked Hospital for Special Surgery in New York, *Perioperative Care of the Orthopedic Patient* is a comprehensive, multidisciplinary manual providing preoperative considerations, postoperative complications, and guidelines for the anesthetic and medical management of patients undergoing orthopedic surgery. Beginning with chapters covering preoperative evaluations and general principles and practices of perioperative medicine, the book then considers anesthesiologic management in orthopedic surgery and the role of postoperative pain management. This is followed by a section on medical management in specific clinical settings, discussing patients with connective tissue disease, cardiac disease, chronic pulmonary and renal diseases, diabetes and psychiatric and neurological

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diseases. A fourth section covers specific perioperative problems in orthopedic surgery, such as care of the elderly patient, venous thromboembolism, infection, nutrition, compartment syndrome, and bone health. Finally, the role of allied services, quality improvement and ethics are highlighted, and selected case studies are included to illustrate real-world perioperative issues and management strategies in orthopedic surgery. A comprehensive yet concise reference, *Perioperative Care of the Orthopedic Patient* will be an invaluable resource for orthopedic surgeons, sports medicine specialists and any professional involved in orthopedic surgery.

Practical and authoritative, this new edition delivers easy access to the latest advances in the diagnosis and management of musculoskeletal disorders and other common conditions requiring rehabilitation. Each topic is presented in a concise, focused, and well-illustrated two-color format featuring a description of the condition, discussion of symptoms, examination findings, functional limitations, and diagnostic testing. The treatment section is extensive and covers initial therapies, rehabilitation interventions, procedures, and surgery. From sore shoulders in cancer patients to spinal cord injuries, *Essentials of Physical Medicine and Rehabilitation, 2nd Edition* provides you with the knowledge you need to face every challenge you confront. Offers

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practical, clinically relevant material for the diagnosis and treatment of musculoskeletal conditions.

Discusses physical agents and therapeutic exercise in the prevention, diagnosis, treatment and rehabilitation of disorders that produce pain, impairment, and disability. Presents a consistent chapter organization that delivers all the content you need in a logical, practical manner. Presents a new co-editor, Thomas D. Rizzo, Jr., MD, and a pool of talented contributors who bring you fresh approaches to physical medicine and rehabilitation. Offers current evidence and expert guidance to help you make more accurate diagnoses and chose the best treatment option for each patient. Features an entirely new section on pain management so you can help your patients reach their full recovery potential. Incorporates redrawn artwork that makes every concept and technique easier to grasp. Includes updated ICD-9 codes giving you complete information for each disorder.

Essentials in Total Knee Arthroplasty is a succinct, yet comprehensive book that provides a unique look into the world of total knee arthroplasty (TKA), beginning with an in-depth history of this common procedure, and then progressing to strategies that will manage, treat, and prevent complications. Inside the pages of Essentials in Total Knee Arthroplasty, Dr. Javad Parvizi and Dr. Brian Klatt, along with more than 40 contributors, cover a wide-range of

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topics, including: * Knee biomechanics and biomaterials * Surgical approaches to TKA * Postoperative Analgesia Options for the Total Knee Arthroplasty Patient * Controversies in TKA * Mechanisms of failure in TKA * Complex primary total TKA * TKA revision * TKA rehabilitation With over 100 color images, clear & descriptive text, and a forward thinking approach to clinical and basic research in the reconstruction of the knee, Essentials in Total Knee Arthroplasty will become the "go-to" book for orthopedic residents, fellows, junior attendings, medical students, and physical therapists involved with all matters related to total knee arthroplasty.

Anemia: New Insights for the Healthcare Professional: 2011 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Anemia in a concise format. The editors have built Anemia: New Insights for the Healthcare Professional: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Anemia 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 Anemia: New Insights for the Healthcare Professional: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the

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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/>.

Safe and effective management is a top priority for every physical therapy student or clinician involved with patients in the acute care setting. *Physical Therapy in Acute Care: A Clinician's Guide* is a user-friendly, pocket-sized, evidence-based text that guides and reinforces successful acute care patient management. *Physical Therapy in Acute Care* provides clinicians with an understanding of the basic physiological mechanisms underlying normal function of all major organ systems, contrasted with the pathophysiology of the disease and disorders that physical therapists will most often encounter in an acute care environment. Inside the pages of *Physical Therapy in Acute Care*, Daniel Malone and Kathy Lee Bishop-Lindsay provide a comprehensive review of acute physical therapy best practice. This text builds upon fundamental knowledge by addressing important components of patient examination, discussing relevant medical tests, and listing diseases and diagnoses alphabetically with brief medical management. Some Chapter Topics Include: ? Cardiovascular, pulmonary, musculoskeletal, gastrointestinal, genitourinary, and

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neurological diseases and disorders ? The immune system and infectious disease ? Oncology rehabilitation ? Wound care ? Transplantation Each chapter highlights important physical therapy concerns, examination findings, and rehabilitation interventions. In addition, Physical Therapy in Acute Care includes numerous tables, figures, review questions, and case studies that highlight the physical therapy patient care model as outlined in the Guide to Physical Therapist Practice. Exciting Features: ? An in-depth description of laboratory tests and procedures incorporating the physiologic significance of abnormal findings ? Pharmacologic information for each organ system chapter including side effects of common medical interventions ? A chapter on deconditioning and bed rest effects in the acute care environment ? A discharge recommendation decision tree Whether you are a student of physical therapy, a physical therapist entering the acute care environment, or an experienced acute care physical therapist, Physical Therapy in Acute Care is the only resource for successful patient management you will need by your side.

From sore shoulders to spinal cord injuries, Essentials of Physical Medicine and Rehabilitation, 3rd Edition provides you with the knowledge you need to get your patients moving again. This practical and authoritative new edition delivers easy

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access to the latest advances in the diagnosis and management of musculoskeletal disorders and other common conditions requiring rehabilitation. Each topic is presented in a concise, focused, and well-illustrated format featuring a description of the condition, discussion of symptoms, examination findings, functional limitations, and diagnostic testing. An extensive treatment section covers initial therapies, rehabilitation interventions, procedures, and surgery. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Put concepts into practice. Practical, clinically relevant material facilitates the diagnosis and treatment of musculoskeletal, pain, and chronic disabling conditions. Develop a thorough, clinically relevant understanding of interventions such as physical agents and therapeutic exercise in the prevention, diagnosis, treatment, and rehabilitation of disorders that produce pain, impairment, and disability. Find answers fast thanks to a consistent chapter organization that delivers all the content you need in a logical, practical manner. Get a broader perspective on your field from new chapters on Labral Tears of the Shoulder and Hip, Pubalgia, Chondral Injuries, Central Post-Stroke Pain (Thalamic Pain Syndrome), Chemotherapy-induced Peripheral Neuropathy, Radiation Fibrosis Syndrome, and Neural Tube Defects. Stay current

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with expanded and updated coverage of diagnosis, management and rehabilitation of Cervical Dystonia, Suprascapular Neuropathy, Epicondylitis, Temporomandibular Joint Pain, Spinal Cord Injury, Stroke, Adhesive Capsulitis of the Hip, and Adductor Strain of the Hip. Glean the latest information on hot topics in the field such as cancer-related fatigue, polytrauma, and traumatic brain injury Efficiently and expertly implement new ICD-10 codes in a busy outpatient setting.

The definitive resource for designing and implementing evidence-based rehabilitation programs using therapeutic exercise Written and edited by top experts in their fields, Musculoskeletal Interventions provides the rehabilitation techniques, strategies, and considerations you need to effectively treat patients of all ages, abilities, and functional levels. With expanded coverage of movement systems, along with clinical pearls and hundreds of illustrations, this edition has been fully revised to reflect a contemporary movement system approach patient care. It focuses on the practical application of theory in a clinical setting, making it ideal for students and experienced physical therapists alike. Designed to make finding what you need quickly and easily, Musculoskeletal Interventions is organized into five sections: Foundations of the Rehabilitation Process Introduces the human movement system, the Guide to Physical

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Therapist Practice, and the clinical reasoning process Provides grounding on tissue healing, the Neuromuscular Scan Examination, pain, posture, and function Treating Physiologic Impairments During Rehabilitation Details general impairments that require attention throughout the rehabilitation process Covers muscle performance, endurance and aerobic capacity, mobility, range of motion, and neuromuscular control Tools of Rehabilitation Explains how to achieve optimal outcomes using various tools, including plyometric exercise, open- and closed-kinetic chain interventions, proprioceptive neuromuscular facilitation techniques, joint mobilization, postural stability and balance interventions, core stabilization training, aquatic therapy, functional movement screening, and more Interventions Strategies for Specific Regions Describes applications of techniques and interventions related to common movement-based, overuse, traumatic, and postoperative musculoskeletal dysfunction Provides guidance on conditions common to the shoulder complex, elbow, wrist, hand, digits, groin, hip, thigh, knee, lower leg, ankle, foot, and spine Discusses pathomechanics and injury mechanisms while focusing on rehabilitation strategies and concerns for specific injuries and providing example protocols Special Considerations for Specific Patient Populations Provides application of all previous intervention

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strategies and how these may need to be selected, adapted, and utilized for geriatric patients, pediatric patient, and physically active females

Musculoskeletal Interventions is filled with features that help you understand and retain critical information. Learning aids include objectives, tales, clinical pearls, figures, video links, summary points, chapter-ending treatment guidelines, and references. Learn to calculate drug dosages safely, accurately, and easily with Kee's Clinical Calculations, 9th Edition! This market-leading text covers all four major drug calculation methods, including ratio & proportion, formula, fractional equation, and dimensional analysis. It also includes practice problems for both general care as well as specialty areas such as pediatrics, labor and delivery, critical care, and community nursing. With its market-leading, comprehensive coverage; strong emphasis on patient safety; and the incorporation of the latest information on antidiabetic agents, anticoagulant agents, drug administration techniques, and devices; Kee remains the winning choice for easy drug calculation mastery. Coverage of all four major drug calculation methods includes ratio & proportion, formula, fractional equation, and dimensional analysis to help you learn and apply the method that works best for you. The latest information on drug administration techniques and devices helps you master the most up-to-date techniques of drug

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administration, including oral, intravenous, intramuscular, subcutaneous, and other routes. Caution boxes provide alerts to problems or issues related to various drugs and their administration. Information on infusion pumps covers enteral, single, multi-channel, PCA, and insulin; and explains their use in drug administration. Calculations for Specialty Areas section addresses the drug calculations needed to practice in pediatric, critical care, labor and delivery, and community settings. Detailed, full-color photos and illustrations show the most current equipment for IV therapy, the latest types of pumps, and the newest syringes. Comprehensive post-test lets you test your knowledge of key concepts from the text. NEW! Updated information on Antidiabetic Agents (orals and injectables) has been added throughout the text where appropriate. NEW! Updated content on Anticoagulant Agents is housed in an all-new chapter. NEW! Colorized abbreviations for the four methods of calculation (BF, RP, FE, and DA) appear in the Example Problems sections. NEW! Updated content and patient safety guidelines throughout the text reflects the latest practices and procedures. NEW! Updated practice problems across the text incorporate the latest drugs and dosages.

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