

MUSCULOSKELETAL REHABILITATION SERIES

MRs

PATHOLOGY AND INTERVENTION IN MUSCULOSKELETAL REHABILITATION

SECOND EDITION



David J. Magee
James E. Zachazewski
William S. Quillen
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Pathology and Intervention in Musculoskeletal Rehabilitation David J. Magee, James E. Zachazewski, William S. Quillen, 2008-01-01 Design and implement a rehab program on your own with Pathology and Intervention in Musculoskeletal Rehabilitation 2nd Edition Part of Magee's popular Musculoskeletal Rehabilitation Series this pathology text for physical therapists provides clear guidance on patient management relative to specific musculoskeletal pathology injury and illness all based on a sound understanding of basic science and principles of practice It focuses on the specific pathologies most often seen in the clinic and discusses the best methods for intervention for the different areas of the body in the context of the tissue healing model Each intervention features a rationale along with the pathology and problem presented stage of healing evidence in the literature and clinical reasoning considerations Dedicated and focused information on the specific pathologies most often seen in the clinic as well as the best methods for intervention for the different areas of the body minimizes duplication of information by referring you to other titles in the Musculoskeletal Rehabilitation Series for basic scientific information regarding inflammation healing tissue deformation and the development of muscular strength and endurance Trusted experts in musculoskeletal rehabilitation along with internationally recognized contributors present the best evidence behind contemporary interventions directed toward the treatment of the impairments and functional limitations associated with acute chronic and congenital musculoskeletal conditions occurring across the lifespan Evidence based content with over 4 000 references supports the scientific principles for rehabilitation interventions providing the best evidence for the management of musculoskeletal pathology and injury NEW The Skin and Wound Healing chapter looks at the numerous tools available to assist in objectively monitoring and treating a patient with an acute or chronic wound NEW Rotator Cuff Pathology chapter highlights the anatomy function and etiology of the rotator cuff and addresses rotator cuff injuries physical examination and non operative and operative treatment UPDATED Substantially revised chapter on the Thoracic Ring Approach facilitates clinical reasoning for the treatment of the thoracic spine and ribs through the assessment and treatment of thoracic spine disorders and how they relate to the whole kinetic chain UPDATED Revised Lumbar Spine Treatment of Motor Control Disorders chapter explores some of the research evidence and clinical reasoning pertaining to instability of the lumbar spine so you can better organize your knowledge for immediate use in the clinical setting UPDATED Significantly revised chapter on the treatment of pelvic pain and dysfunction presents an overview of specific pathologies pertaining to the various systems of the pelvis and highlights how The Integrated Systems Model for Disability and Pain facilitates evidence based management of the often complex patient with pelvic pain and dysfunction NEW Musculoskeletal Bone and Soft Tissue Tumors chapter covers common bone tumors anatomic considerations and rehabilitation pediatric patients and amputation related to cancer UPDATED Thoroughly revised chapters with additional references ensure you get the most recent evidence and information available NEW Full color design and illustration

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Pathology and Intervention in Musculoskeletal Rehabilitation - E-Book David J. Magee, James E.

Zachazewski, William S. Quillen, Robert C. Manske, 2015-11-03 NEW The Skin and Wound Healing chapter looks at the numerous tools available to assist in objectively monitoring and treating a patient with an acute or chronic wound NEW Rotator Cuff Pathology chapter highlights the anatomy function and etiology of the rotary cuff and addresses rotary cuff injuries physical examination and non operative and operative treatment UPDATED Substantially revised chapter on the Thoracic Ring Approach™ facilitates clinical reasoning for the treatment of the thoracic spine and ribs through the assessment and treatment of thoracic spine disorders and how they relate to the whole kinetic chain UPDATED Revised Lumbar Spine Treatment of Motor Control Disorders chapter explores some of the research evidence and clinical reasoning pertaining to instability of the lumbar spine so you can better organize your knowledge for immediate use in the clinical setting UPDATED Significantly revised chapter on the treatment of pelvic pain and dysfunction presents an overview of specific pathologies pertaining to the various systems of the pelvis and highlights how The Integrated Systems Model for Disability and Pain facilitates evidence based management of the often complex patient with pelvic pain and dysfunction NEW Musculoskeletal Bone and Soft Tissue Tumors chapter covers common bones tumors anatomic considerations and rehabilitation pediatric patients and amputation related to cancer UPDATED Thoroughly revised chapters with additional references ensure you get the most recent evidence and information available NEW Full color design and illustration

program reflects what you see in the physical world to help you recognize and understand concepts more quickly *Clinical Orthopaedic Rehabilitation: A Team Approach E-Book* Charles E. Giangarra, Robert C. Manske, 2017-01-04 Evidence suggests a direct correlation between the quality of postoperative orthopaedic rehabilitation and the effectiveness of the surgery Clinical Orthopaedic Rehabilitation 4th Edition helps today's orthopaedic teams apply the most effective evidence based protocols for maximizing return to function following common sports injuries and post surgical conditions Charles Giangarra MD and Robert Manske PT continue the commitment to excellence established by Dr S Brent Brotzman in previous editions bringing a fresh perspective to the team approach to rehabilitation Every section is written by a combination of surgeons physical therapists and occupational therapists making this respected text a truly practical how to guide for the appropriate initial exam differential diagnosis treatment and rehabilitation Treatment and rehabilitation protocols are presented in a step by step algorithmic format with each new phase begun after criteria are met criteria based progression reflecting current best practice Revised content brings you up to date with new evidence based literature on examination techniques classification systems differential diagnosis treatment options and criteria based rehabilitation protocols Extensive updates throughout include new chapters on medial patellofemoral ligament shoulder impingement pec major ruptures thoracic outlet syndrome general humeral fractures foot and ankle fractures medial patellofemoral ligament reconstruction the

arthritic hip athletic pubalgia and labral repair and reconstruction Easy to follow videos demonstrate rehabilitation procedures of frequently seen orthopaedic conditions and commonly used exercises and new full color images complement the highly visual nature of the text Routledge Handbook of Sports Therapy, Injury Assessment and Rehabilitation Keith Ward, 2015-09-16 The work of a sports therapist is highly technical and requires a confident responsible and professional approach The Routledge Handbook of Sports Therapy Injury Assessment and Rehabilitation is a comprehensive and authoritative reference for those studying or working in this field and is the first book to comprehensively cover all of the following areas Sports Injury Aetiology Soft Tissue Injury Healing Clinical Assessment in Sports Therapy Clinical Interventions in Sports Therapy Spinal and Peripheral Anatomy Injury Assessment and Management Pitch side Trauma Care Professionalism and Ethics in Sports Therapy The Handbook presents principles which form the foundation of the profession and incorporates a set of spinal and peripheral regional chapters which detail functional anatomy the injuries common to those regions and evidence based assessment and management approaches Its design incorporates numerous photographs figures tables practitioner tips and detailed sample Patient Record Forms This book is comprehensively referenced and multi authored and is essential to anyone involved in sports therapy from their first year as an undergraduate to those currently in professional practice *Stroke Recovery and Rehabilitation, 2nd Edition* Richard D. Zorowitz, 2014-09-18 The definitive core text in its field Stroke Recovery and Rehabilitation is a comprehensive reference covering all aspects of stroke rehabilitation from neurophysiology of stroke through the latest treatments and interventions for functional recovery and restoration of mobility This second edition is completely updated to reflect recent advances in scientific understanding of neural recovery and growing evidence for new clinical therapies The second edition which includes free e book access with every print purchase continues to provide in depth information on the assessment and management of all acute and long term stroke related impairments and complications including cognitive dysfunctions musculoskeletal pain and psychological issues It examines risk factors epidemiology prevention and neurophysiology as well as complementary and alternative therapies functional assessments care systems ethical issues and community and psychosocial reintegration With contributions from over 100 acknowledged leaders from every branch of the stroke recovery field this edition features expanded coverage of key issues such as the role of robotics and virtual reality in rehabilitation New chapters have been incorporated to cover fields of recent exploration including transcranial magnetic stimulation biomarkers and genetics of recovery as well as essentials like the use of medication and the survivor s perspective The up to date presentation of scientific underpinnings and multi specialty clinical perspectives from physical medicine and rehabilitation neurology physical therapy occupational therapy speech and language pathology and nursing ensures that Stroke Recovery and Rehabilitation will continue to serve as an invaluable reference for every health care professional working to restore function and help stroke survivors achieve their maximum potential New to Stroke Recovery and Rehabilitation Second Edition All chapters are thoroughly revised and

updated to reflect advances in scientific understanding of neural recovery and clinical progress Five completely new chapters and expanded coverage of key issues that drive the field forward New contributions from leading stroke specialists from all involved disciplines Includes access to the fully searchable downloadable ebook

Rehabilitaci3n ortop3dica cl3nica Charles E. Giangarra, Robert C. Manske, 2018-01-24 Contenido revisado que ofrece una amplia actualizaci3n incluyendo nuevos datos basados en la evidencia y referentes a t3cnicas de valoraci3n sistemas de clasificaci3n diagn3stico diferencial opciones de tratamiento y protocolos de rehabilitaci3n Gu3a pr3ctica que proporciona informaci3n de gran utilidad en el momento del examen del paciente para el diagn3stico diferencial el tratamiento y la rehabilitaci3n propiamente dicha Nuevos cap3tulos sobre ligamento femoral medio impacto en el hombro fractura del pectoral mayor s3ndrome tor3cico fracturas humerales fracturas de rodilla y pie reconstrucci3n del ligamento patelofemoral medio artritis de cadera y pubalgia atl3tica entre otras cuestiones Esta nueva edici3n incluye videos que muestran procedimientos de rehabilitaci3n de condiciones ortop3dicas frecuentes as como los ejercicios de rehabilitaci3n que se recomiendan de manera habitual Los protocolos de tratamiento y rehabilitaci3n se presentan paso a paso en formato de algoritmos y en cada una de las fases de la asistencia progresi3n basada en criterios que refleja las mejores pr3cticas actuales Se incluye un acceso a Expert Consult en el que se incluye la versi3n eBook de la obra que permite realizar b3squedas en todo el texto acceso a los v3deos y a las referencias bibliogr3ficas Cuarta edici3n de esta obra de referencia que ayuda a los equipos de rehabilitaci3n a aplicar los protocolos de traumatolog3a y ortopedia con el objetivo de recuperar la funci3n tras lesiones deportivas comunes e intervenciones quir3rgicas El contenido se actualiza y revisa con nuevos datos de la literatura basada en la evidencia Se incluyen nuevos cap3tulos sobre el ligamento femorrotuliano medial y su reconstrucci3n el s3ndrome subacromial del hombro la rotura del pectoral mayor el s3ndrome del desfiladero tor3cico las fracturas generales del h3mero del pie y tobillo la cadera artr3tica la pubalgia y la reparaci3n y reconstrucci3n del labrum Gu3a pr3ctica que proporciona informaci3n de gran utilidad basada en protocolos de tratamiento y rehabilitaci3n que se presentan en formato de algoritmos y son v3lidos para cada una de las fases de la asistencia El acceso a ExpertConsult incluye el ebook de la obra en ingl3s las figuras las referencias bibliogr3ficas as como el acceso a una colecci3n de v3deos con los procedimientos de rehabilitaci3n de condiciones ortop3dicas frecuentes y los ejercicios que se prescriben de manera habitual

Orthopedic Rehabilitation Clinical Advisor Derrick Sueki, Jacklyn Brechter, 2009-11-25 Access the information you need to confidently diagnose and treat musculoskeletal disorders at a glance With a 5 books in 1 approach this essential clinical reference provides up to date diagnostic and therapeutic information on over 200 orthopedic conditions in a bulleted quick reference format ideal for both students and practitioners Content is written entirely by orthopedic physical therapists and is logically organized to promote accurate efficient differential diagnosis and intervention 5 books in 1 format combines essential content on foundational knowledge clinical reasoning orthopedic pathologies common clinical questions and pharmacology all in one place for fast efficient reference UNIQUE Expert insight and decision making

strategies for the rehabilitation of musculoskeletal pathologies help you apply sound clinical reasoning to determine the needs of patients with musculoskeletal disorders UNIQUE Succinct bulleted text organizes information consistently for easy access Clinician oriented profiles cover 200 orthopedic pathologies with considerations specific to your needs in orthopedic rehabilitation practice 51 drug class monographs detail indications dosages contraindications and physical therapy implications to help you better understand drug interactions and more effectively manage patients Therapeutic Exercise Carolyn Kisner,Lynn Allen Colby,John Borstad,2017-10-18 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 in depth discussions of the principles of therapeutic exercise and manual therapy and the most up to date exercise and management guidelines

Orthopedic Physical Assessment - E-Book David J. Magee,2007-12-10 Newly updated this full color resource offers a systematic approach to performing a neuromusculoskeletal assessment with rationales for various aspects of the assessment This comprehensive text covers every joint of the body head and face gait posture emergency care the principles of assessment and preparticipation evaluation The latest edition of this core text is the essential cornerstone in the new four volume musculoskeletal rehabilitation series Thorough evidence based content provides the information and detail you need to select the best diagnostic tests Extensively updated information incorporates the latest research and most current practices Case Studies help you apply what you learn from the book to real life situations Tables and boxes throughout the text organize and summarize important information and highlight key points Chapter Summaries review the assessment procedures for each chapter to help you find important information quickly Case Histories in each chapter demonstrate assessment skills to help you apply them in practice Reliability and validity of tests and techniques included throughout help you choose assessment methods supported by current evidence A new full color design clearly demonstrates assessment methods a variety of tests and causes of pathology A Companion CD ROM with all of the references from the text linked to MedLine abstracts reinforces concepts from the book Primary Care Assessment chapter includes the latest information on the constantly evolving state of physical therapy practice Includes the most current information on the assessment of the cervical spine hip posture and foot and ankle to keep you up to date on current methods of practice *Scientific Foundations and Principles of Practice in Musculoskeletal Rehabilitation* David J. Magee,James E. Zachazewski,William S. Quillen,2007-02-14 Musculoskeletal Rehabilitation Volume 2 Scientific Foundations and Principles of Practice provides a thorough review of the basic science information concerning the tissues of the musculoskeletal system impacted by injury or disease as well as the guiding principles upon which rehabilitation interventions are based This volume divides information into two sections scientific foundations and principles of intervention providing readers with a guiding set of clinical foundations and principles upon which they can easily develop treatment interventions for specific impairments and functional limitations Clinical application case studies help readers apply what they learn in the classroom to real life

situations Evidence based content uses over 5 000 references to support the basic science information principles for rehabilitation interventions and provide the best evidence and physiological reasoning for treatment Over 180 tables and 275 text boxes highlight key points within the text for better understanding Expert editors David Magee PhD PT James Zachazewski DPT SCS ATC Sandy Quillen PT PhD SCS FACSM and over 70 contributors provide authoritative guidance on the foundations and principles of musculoskeletal rehabilitation practice *Physical Agents in Rehabilitation - E Book* Michelle H. Cameron,2013-08-02 NEW Video clips on companion Evolve site demonstrate techniques and procedures described in the text NEW Content specific to OTs has been added to the core text including upper extremity cases for all physical agent chapters NEW Organization of the text by agent type increases the book s ease of use NEW Expanded sections on thermal agents and electrical currents will give students a better understanding of how to use these types of agents in practice Orthopedic Physical Assessment, 7e, South Asia Edition-E-Book David J. Magee,2021-04-26 Build your skills in the assessment of musculoskeletal pathology Orthopedic Physical Assessment 7th Edition covers the principles of assessment for all of the body s structures and joints including topics such as gait posture the head and face amputees primary care and sports emergencies The 7th edition offers updated evidence based reliability and validity tables Written by noted PT educators David J Magee and Robert C Manske this reference uses a systematic evidence based approach to prepare you for success in clinicals board exams and in rehabilitation practice Over 2 500 full color illustrations and photographs depict key concepts along with assessment techniques and special tests At a glance icons show the clinical utility of special tests supplemented by updated evidence based reliability and validity tables for tests and techniques Quick reference data includes hundreds of summary boxes red flag and yellow flag boxes differential diagnosis tables muscle and nerve tables and classification normal values and grading tables A Summary Pr cis of Assessment in each chapter serves as a review of assessment steps Combined with other books in the Musculoskeletal Rehabilitation series Scientific Foundations and Principles of Practice Pathology and Intervention and Athletic and Sports Issues this book provides you with the knowledge and background necessary to assess and treat musculoskeletal conditions NEW Updated information in all chapters includes new special tests as well as photos line drawings boxes tables and references NEW Head and Face chapter features updated information on concussion management NEW Enhanced Diagnostic Ultrasound Imaging section added to applicable chapters along with new photos and diagnostic images NEW Updated psychometric tables for special tests list reliability sensitivity specificity and and likelihood ratios when available NEW More case studies present real life scenarios to help you develop assessment and diagnostic skills using information from the chapter Physical Agents in Rehabilitation Michelle H. Cameron, MD, PT,2012-10-12 Presenting a variety of treatment choices supported by the latest clinical research Physical Agents in Rehabilitation From Research to Practice 4th Edition is your guide to the safe most effective use of physical agents in your rehabilitation practice Coverage in this new edition includes the most up to date information on thermal agents

ultrasound electrical currents hydrotherapy traction compression lasers and electromagnetic radiation Straightforward explanations make it easy to integrate physical agents into your patients overall rehabilitation plans Comprehensive coverage of all physical agents includes the benefits correct applications and issues related to thermal agents hydrotherapy traction compression ultrasound electrical currents and electromagnetic radiation Clinical case studies help sharpen your decision making skills regarding important treatment choices and effective applications Up to date evidence based practices ensure you are using the best approach supported by research Contraindications and Precautions boxes explain the safe use and application of physical agents with up to date warnings for optimum care paths Clinical Pearl boxes emphasize the tips and tricks of patient practice Application techniques in step by step illustrated resource boxes help you provide safe and effective treatments NEW Video clips on companion Evolve site demonstrate techniques and procedures described in the text NEW Content specific to OTs has been added to the core text including upper extremity cases for all physical agent chapters NEW Organization of the text by agent type increases the book s ease of use NEW Expanded sections on thermal agents and electrical currents will give students a better understanding of how to use these types of agents in practice

Techniques in Musculoskeletal Rehabilitation William E. Prentice, Michael L. Voight, 2001-03 Provides the physical therapy student or practitioner with a comprehensive to the design implementation and supervision of rehabilitation programs for orthopedic injuries and disorders Three sections cover achieving the goals of rehabilitation using the proper tools and detailing specific techniques Lavishly illustrated and chock full of tables summaries and suggestions for further study

Pathology for the Physical Therapist Assistant - E-Book Catherine Cavallaro Kellogg, Kenda S. Fuller, 2011-02-07 No other textbook provides coverage of the essential concepts of disease processes and disorders with the specific needs of the physical therapy assistant in mind Pathology for the Physical Therapist Assistant provides coverage of disease processes and systemic disorders as well as guidelines precautions and contraindications for physical therapy interventions Catherine Goodman Kenda Fuller and Robbie O Shea share their expertise in a consistent well organized approach that defines each disorder describes the appropriate physical therapy assessment and intervention and rounds out the discussion with relevant case study examples based on established practice patterns Chapters follow a consistent organization first defining a disorder and then describing the appropriate physical therapy assessment and intervention Full color art throughout clearly depicts pathologies and interventions Case studies provide examples of physical therapy applications to help you connect theory and practice and build strong clinical reasoning skills Special boxes highlight Clinical Signs Interventions and Case Studies to alert you to important information within the text Terminology and language from the Guide to Physical Therapy Practice is used throughout to familiarize you with standardized terminology used in practice A companion Evolve website provides additional online learning activities including online chapters references linked to Medline case studies and self test questions

Brain Injury Medicine, 2nd Edition Nathan D. Zasler, MD, Douglas I. Katz, MD, Ross D. Zafonte, DO, 2012-08-27

This book is a clear and comprehensive guide to all aspects of the management of traumatic brain injury from early diagnosis and evaluation through the post acute period and rehabilitation. An essential reference for physicians and other health care professionals who work with brain injured patients, the book focuses on assessment and treatment of the wider variety of clinical problems these patients face and addresses many associated concerns such as epidemiology, ethical issues, legal issues and life care planning. Written by over 190 acknowledged leaders, the text covers the full spectrum of the practice of brain injury medicine including principles of neural recovery, neuroimaging and neurodiagnostic testing, prognosis and outcome, acute care, rehabilitation, treatment of specific populations, neurologic and other medical problems following injury, cognitive and behavioral problems, post-traumatic pain disorders, pharmacologic and alternative treatments, and community reentry and productivity.

Multidisciplinary Approach to Osteoporosis Andrea Lenzi, Silvia Migliaccio, 2018-09-04. This book describes in detail the multidisciplinary management of osteoporosis, providing readers with a thorough understanding of the rationale for a multidisciplinary approach and with the tools required to implement it effectively. The emphasis is on a translational approach starting from basic concepts and fundamental mechanisms of the pathology and clinical morbidity. Experts in the field discuss the full range of relevant topics including the significance of physical activity, nutritional strategies and pharmacological treatment. Put another way, the book covers all aspects from the bench to the bedside. Physicians, scientists and postgraduate students will all find it to be invaluable in understanding the causes and optimal management of osteoporosis, the incidence of which is increasing rapidly as populations age.

Orthotics and Prosthetics in Rehabilitation Michelle M. Lusardi, Millee Jorge, Caroline C. Nielsen, 2012-08-03. The most comprehensive physical therapy text available on the topic, *Orthotics and Prosthetics in Rehabilitation* 3rd Edition is your one-stop resource for clinically relevant rehabilitation information. Evidence-based coverage 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 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 Textbook of Neural Repair and Rehabilitation: Volume 2, Medical Neurorehabilitation Michael Selzer, Stephanie Clarke, Leonardo Cohen, Pamela Duncan, Fred Gage, 2006-02-16 In two freestanding but linked volumes Textbook of Neural Repair and Rehabilitation provides comprehensive coverage of the science and practice of neurological rehabilitation This volume Medical Neurorehabilitation can stand alone as a clinical handbook for neurorehabilitation It covers the practical applications of the basic science principles presented in volume 1 provides authoritative guidelines on the management of disabling symptoms and describes comprehensive rehabilitation approaches for the major categories of disabling neurological disorders Emphasizing the integration of basic and clinical knowledge this book and its companion are edited and written by leading international authorities Together they are an essential resource for neuroscientists and provide a foundation for the work of clinical neurorehabilitation professionals

Orthopaedic Examination, Evaluation, and Intervention Mark Dutton, 2008-02-24 A complete evidence based guide to orthopaedic evaluation and treatment Acclaimed in its first edition this one of a kind well illustrated resource delivers a vital evidence based look at orthopaedics in a single volume It is the ultimate source of orthopaedic examination evaluation and interventions distinguished by its multidisciplinary approach to PT practice Turn to any page and you ll find the consistent unified voice of a single author a prominent practicing therapist who delivers step by step guidance on the examination of each joint and region This in depth coverage leads clinicians logically through systems review and differential diagnosis aided by decision making algorithms for each joint It s all here everything from concise summaries of functional anatomy and biomechanics to an unmatched overview of the musculoskeletal and nervous systems

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Pathology And Intervention In Musculoskeletal Rehabilitation 2e Introduction

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