

## [ CASE REPORT ]

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# Differential Diagnosis and Physical Therapy Management of a Patient With Radial Wrist Pain of 6 Months' Duration: A Case Report

**W**hen evaluating a patient with radial wrist pain, clinicians need to consider a number of possible etiologies, including systemic disease, referred pain to the radial aspect of the wrist, and local tissue dysfunction. A commonly considered local tissue dysfunction in patients with radial wrist pain is De Quervain syndrome or stenosing tenosynovitis of the first dorsal compartment.<sup>10</sup>

Although implying an inflammatory etiology, the histopathology of stenosing tenosynovitis is generally characterized

by fibrosis and fibrocartilaginous metaplasia leading to thickening of the extensor retinaculum in the absence of inflamma-

tory findings. The sliding impairment of the entrapped but normal abductor pollicis longus and extensor pollicis brevis tendons within the stenosed extensor compartment is thought to be responsible for the symptoms.<sup>1</sup> Epidemiological studies in industrial settings have shown a point prevalence of 8% for De Quervain syndrome, when wrist pain and a positive Finkelstein test, with or without tenderness to palpation of the radial wrist, were used as diagnostic criteria.<sup>23,24</sup> More relevant to nonindustrial settings, in 485 patients with upper extremity musculoskeletal disorders consisting mostly of computer users and musicians, 17% were diagnosed with De Quervain syndrome on the right and 5% on the left, based solely on a positive Finkelstein test.<sup>25</sup>

Relevant to a patient with radial wrist pain is the differential diagnosis between stenosing tenosynovitis and an entrapment neuropathy of the superficial radial nerve.<sup>22</sup> Moore<sup>22</sup> described the superficial radial nerve as a critical neural structure in this area. After crossing the elbow, the radial nerve splits and forms the posterior interosseous nerve and the superficial sensory branch of the radial nerve, which supplies the sensation to the radial aspect of the forearm and wrist. This superficial sensory branch courses

• **STUDY DESIGN:** Case report.

• **BACKGROUND:** Differential diagnosis for patients with radial wrist pain requires consideration of systemic disease, referred pain to the radial aspect of the wrist, and local dysfunction. The list of possible local dysfunctions should include De Quervain syndrome, as well as entrapment neuropathy of the superficial radial nerve.

• **CASE DESCRIPTION:** The patient was a 57-year-old man with right radial wrist pain of 6 months' duration. The referral diagnosis was De Quervain syndrome, but a previous course of electrophysical agents-based physical therapy management had been unsuccessful. The physical examination ruled out the cervical, shoulder, elbow, and wrist joints as possible sources of pain. In this case, the diagnosis of entrapment neuropathy of the superficial radial nerve, rather than De Quervain syndrome, was primarily based on the symptom provocation resulting from a modified radial bias upper limb nerve tension test. Based on

this diagnosis, treatment consisted of active and passive exercises using neurodynamic techniques.

• **OUTCOMES:** After 1 treatment session, the patient noted changes with regard to current pain intensity and function that exceeded the minimal clinically important difference and the minimal detectable change, respectively. After only 2 treatment sessions, the patient reported a complete resolution of symptoms and a full return to work.

• **DISCUSSION:** This case report critically evaluates the diagnostic process for patients with radial wrist pain and suggests neuropathy of the superficial sensory branch of the radial nerve as a differential diagnostic option.

• **LEVEL OF EVIDENCE:** Therapy, level 4.  
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• **KEY WORDS:** De Quervain syndrome, neuropathy, superficial sensory branch radial nerve, thumb

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# Differential Diagnosis And Physical Therapy Management Of

**Christoff Zalpour, Harry J.M. von  
Piekartz**



## **Differential Diagnosis And Physical Therapy Management Of:**

**Differenzialdiagnostik in der Physiotherapie - Screening, Pathologie, Red Flags** Christoff Zalpour, Harry J.M. von Piekartz, 2024-03-12 Vom Leitsymptom zur richtigen Diagnose vom Krankheitsbild zur richtigen Therapie Dieses Buch bietet Ihnen fundierte Orientierung zur klinischen Urteilsfindung eine Fülle an Informationen um Symptome Erkrankungen und Red Flags zu erkennen Hilfen um anhand des Red Flag Screenings ggf. bei einer weiteren medizinischen Abklärung zu entscheiden einen strukturierten didaktischen Aufbau viele Übersichtstabellen und zahlreiche Fallbeispiele die Ihnen die Inhalte einprägsam vermitteln Das Buch bietet Ihnen eine Vielzahl an Leitsymptomen und Pathologien und gliedert sich in die Bereiche Bewegungsapparat Nervensystem Atmung Herz Kreislauf Blut und Abwehr Hormon und Immunsystem Gastrointestinaltrakt Haut Urogenitalsystem und Psyche Ergänzend werden Syndromale Erkrankungen Notfälle sowie besondere Gruppen von Patienten Sportler Musiker Kinder vorgestellt Die Kapitel Bildgebung und Pharmakologie bieten Ihnen wertvolle Zusatzinformationen Seit Beginn der Akademisierung der Physiotherapie vor ca. 20 Jahren wird eine stärkere Selbstständigkeit der Physiotherapeutinnen und -therapeuten gefordert Die Zusatzausbildung Sektoraler Heilpraktiker Physiotherapie ermöglicht inzwischen das Arbeiten im Erstkontakt ohne ärztliche Verordnung Aber auch alle anderen Therapierenden sollten in der Lage sein Symptome zu erkennen Red Flags die nicht vom muskuloskelettalen oder neuromuskulären System stammen Ein Grundlagenwerk das Sicherheit für die Differenzialdiagnostik in der Physiotherapie gibt Das Buch eignet sich für Physiotherapeuten in Ausbildung Studium und Praxis

**Pierson and Fairchild's Principles & Techniques of Patient Care - E-Book** Sheryl L. Fairchild, 2012-05-01 NEW Video clips and skills activities on companion Evolve site illustrate the techniques and procedures described in the text NEW Content based on the ICF model the model currently endorsed by the APTA and AOTA reflects the current theories and practice guidelines of physical and occupational therapy NEW Information on professionalism teaches about the guidelines that currently exist and how to apply those guidelines to patient interactions

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**Neurological Rehabilitation - E-Book** Darcy Ann Umphred, Rolando T. Lazaro, Margaret Roller, Gordon Burton, 2013-08-07 Using a problem solving approach based on clinical evidence Neurological Rehabilitation 6th Edition covers the therapeutic management of people with functional movement limitations and quality of life issues following a neurological event It reviews basic theory and covers the latest screening and diagnostic tests new treatments and interventions commonly used in today's clinical practice This edition includes the latest advances in neuroscience adding new chapters on neuroimaging and clinical tools such as virtual reality robotics and gaming Written by respected clinician and physical therapy expert Darcy Umphred this classic neurology text provides problem solving strategies that are key to individualized effective care UNIQUE Emerging topics are covered in detail including chapters such as Movement Development Across the Lifespan Health and Wellness The Beginning of the Paradigm Documentation and

Cardiopulmonary Interactions UNIQUE A section on neurological problems accompanying specific system problems includes hot topics such as poor vision pelvic floor dysfunction and pain A problem solving approach helps you apply your knowledge to examinations evaluations prognoses and intervention strategies Evidence based research sets up best practices covering topics such as the theory of neurologic rehabilitation screening and diagnostic tests treatments and interventions and the patient s psychosocial concerns Information Case studies use real world examples to promote problem solving skills Non traditional approaches to neurological interventions in the Alternative and Complementary Therapies chapter include the movement approach energy approach and physical body system approaches therapies Terminology adheres to the best practices of the APTA as well as other leading physical therapy organizations following The Guide to Physical Therapy Practice the Nagi model and the ICF World Health Model of patient empowerment Updated illustrations provide current visual references NEW chapters on imaging and robotics have been added Updated chapters incorporate the latest advances and the newest information in neuroscience and intervention strategies Student resources on an Evolve companion website include references with links to MEDLINE and more *Small Animal Surgery Textbook - E-Book* Theresa Welch

Fossum, 2012-08-15 The fourth edition of *Small Animal Surgery* serves as a one stop resource for authoritative information on all aspects of small animal surgery Coverage includes basic procedures such as spays castrations and declaws as well as more advanced surgeries like craniotomy ventral slots and lung lobectomy New contributors bring a fresh perspective and discuss the latest advances in key areas such as imaging modalities regenerative medicine minimally invasive surgery and neurology Access to a companion website provides a fully searchable version of the book bi monthly content updates videos aftercare instructions case presentations and a fracture planner Well illustrated step by step instructions for surgical techniques provide quick reference to practical how to information in emergency and clinical situations Coverage of cutting edge imaging techniques including radiographs CT MRI and digital imaging explores the most useful imaging modalities for demonstrating areas of surgical concern Access to the continually updated companion website for the life of this edition includes Bi monthly content updates provide cutting edge information on surgery developments Video clips of step by step surgical procedures Customizable and printable aftercare instructions Interactive Fracture Planner Case presentations Neurosurgery video clips References linked to PubMed Over 1500 full color images offer exceptionally clear representations of anatomy and currently accepted surgical techniques including approaches and closure Anesthesia Protocols offer easy access to recommendations for anesthetizing animals with particular diseases or disorders Notes boxes call attention to specific data offering at a glance access to key information A new chapter on neurologic examination provides a solid foundation in neuroanatomy electro diagnostics and basic MRI physics and principles enabling you to perform a proper neurologic exam to detect problems in cats and dogs some of which can be corrected via surgical repair A new chapter on regenerative medicine provides the most current information on stem cell research Differential diagnosis tables and boxes

offer quick access to vital information including how to avoid misdiagnosis of disorders that may mimic more commonly encountered surgical neurologic problems that are not actual disorders requiring surgical repair *Symptome verstehen - Interpretation klinischer Zeichen* Mark Dennis, William Talbot Bowen, Lucy Cho, 2019-07-22 Diagnose leicht gemacht Woher kommen die Symptome Die richtige Diagnose ist die Kernfrage eines jeden Arztbesuches Umso besser wenn Sie einen kleinen Helfer zur Hand haben der Ihnen noch einmal bersichtlich auflistet welche klinischen Zeichen auf welche Diagnose hinweisen Bei der klinischen Untersuchung ist der erste Eindruck den Sie vom Patient gewinnen h ufig entscheidend Wandeln Sie Ihr Bauchgef hl in eine gesicherte Diagnose zielsicher und rasch Diese 362 klinischen Befunde helfen Ihnen bei der Diagnosestellung 50 muskuloskelettale Befunde 58 respiratorische Befunde 92 kardiovaskul re Befunde 17 h matologisch onkologische Befunde 45 gastroenterologische Befunde 69 neurologische befunde und 31 endokrinologische Befunde Gut zu wissen Die Autoren legten bei Erstellung dieses Nachschlagewerkes Wert auf Evidenzbasierung und wenn vorhanden weitere statistische Kriterien Dies gibt Ihnen einen sicheren Hintergrund f r Ihre Diagnosestellung Ein einzigartiges Nachschlagewerk f r PJ Studierende und Assistenz rzte Das erwartet Sie in *Symptome verstehen Interpretation klinischer Zeichen* Alphabetische Reihenfolge der klinischen Befunde Befunde mit besonderer klinischen Relevanz sind markiert Inhaltsverzeichnis nach klinischen Befunden Zus tzliches Inhaltsverzeichnis nach Krankheiten Ausf hrlicher Index Literaturliste zu jedem Kapitel Leserstimmen zur englischsprachigen Aussage Einzigartige Herangehensweise Es erm glicht die einzelnen Symptome und Zeichen wirklich zu verstehen und gleichzeitig auch die Bedeutung kritisch zu hinterfragen Ein solches Buch gibt es im deutschsprachigen Raum bisher nicht Die Sammlung aller klinischen Zeichen und Symptome die Erkl rung dahinter wie das Zeichen entsteht und die Ableitung der m glichen Differentialdiagnosen genauso l uft auch der klinische Alltag ab Ein Patient pr sentiert sich mit einem Symptom und man muss auf die Krankheit schlie en Das Buch ist in der Hinsicht einzigartig und sehr hilfreich H tte ich mir schon fr her im Studium gew nscht Schnelle berblicke auf KLINISCHE Symptome Keine Laborwerte oder hinderliche Syndrombeschreibungen Das reine Symptom und die Gr nde die es hervorrufen So habe ich es in noch keinem anderen Buch gelesen Gute Verzahnung von differentialdiagnostischen berlegungen und Erl uterung zur Pathophysiologie **Vestibular Rehabilitation** Susan J. Herdman, Richard Clendaniel, 2014-07-24 Recognized as two of the world s leading authorities on the subject Susan Herdman and Richard Clendaniel joined by a team of expert contributors deliver the 4th Edition of the field s definitive text on the management of vestibular diseases and disorders From assessment through therapy they present the scientific and clinical knowledge you need to distinguish between vestibular and non vestibular dizziness and to plan and implement the appropriate treatments Clinical Guide to Musculoskeletal Medicine S. Ali Mostoufi, Tony K. George, Alfred J. Tria Jr., 2022-05-10 This unique clinical guide will explore specific evidence based literature supporting physical therapist guided exercises and interventional treatments for commonly prevalent orthopedic spine and extremity presentations Using this book the sports

medicine and interventional pain physician will be better able to coordinate therapy exercises after interventional treatments with their physical therapy colleagues This will include a treatment course that will monitor progress in restoring and accelerating patients function A myriad of musculoskeletal conditions affecting the spine joints and extremities will be presented including tendinopathies bursopathies arthritis fractures and dislocations everything a clinician can expect to see in a thriving practice Each chapter co authored by a physician and a physical therapist will follow a consistent format for ease of accessibility and reference introduction to the topic diagnosis medical interventional and surgical management and will be accompanied by relevant radiographis figures and illustrations Additional topics include osteoarthritis rheumatic disorders entrapment syndromes the use of orthobiologics and more Comprehensive enough to function as a learning tool but practical and user friendly enough for quick reference Clinical Guide to Musculoskeletal Medicine will be an essential resource for sports medicine physicians interventional and physical therapists **Kiefer, Gesichts- und Zervikalregion**

Harry von Piekartz, 2015-11-18 Kiefer Kopf HWS stehen im Fokus dieses Buches das sich an Physiotherapeuten Zahnmediziner und Logop den wendet die Patienten mit Schmerzen und Dysfunktionen in dieser Region behandeln Sie vertiefen Ihren Blick auf die kranio-mandibuläre und kraniofaziale Region verstehen die funktionelle Anatomie erkennen wechselseitiger Zusammenhänge und lernen die Richtlinien für das Assessment der Region kennen 10 Jahre nach Erscheinen der 1. Auflage hat sich die Therapie für Patienten mit Schmerzen und Dysfunktionen im Bereich der Kiefer-Gesichts- und Zervikalregion enorm weiterentwickelt In der komplett bearbeiteten und erweiterten 2. Auflage finden Sie die neuen Kapitel Kopfhaltung und CMD Schienentherapie Untersuchung und Behandlung von okulomotorischen Dysfunktionen Lateralisation und Emotionstraining P. diätetische Migräne und andere kraniofaziale Dysfunktionen Circa 600 vierfarbige Fotos und Grafiken zeigen anatomische Details Symptome sowie Untersuchungs- und Behandlungstechniken *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 Process 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

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**Neurological Rehabilitation** Darcy Ann Umphred, PT, PhD, FAPTA, Rolando T. Lazaro, PT, PhD, DPT, 2012-08-14 Using a problem solving approach based on clinical evidence Neurological Rehabilitation 6th Edition covers the therapeutic management of people with functional movement limitations and quality of life issues following a neurological event It reviews basic theory and covers the latest screening and diagnostic tests new treatments and interventions commonly used in today s clinical practice This edition includes the latest advances in neuroscience adding new chapters on neuroimaging and clinical tools such as virtual reality robotics and gaming Written by respected clinician and physical therapy expert Darcy Umphred this classic neurology text provides problem solving strategies that are key to individualized effective care UNIQUE Emerging topics are covered in detail including chapters such as Movement Development Across the Lifespan Health and Wellness The Beginning of the Paradigm Documentation and Cardiopulmonary Interactions UNIQUE A section on neurological problems accompanying specific system problems includes hot topics such as poor vision pelvic floor dysfunction and pain A problem solving approach helps you apply your knowledge to examinations evaluations prognoses and intervention strategies Evidence based research sets up best practices covering topics such as the theory of neurologic rehabilitation screening and diagnostic tests treatments and interventions and the patient s psychosocial concerns Information Case studies use real world examples to promote problem solving skills Non traditional approaches to neurological interventions in the Alternative and Complementary Therapies chapter include the movement approach energy approach and physical body system approaches therapies Terminology adheres to the best practices of the APTA as well as other leading physical therapy organizations following The Guide to Physical Therapy Practice the Nagi model and the ICF World Health Model of patient empowerment Updated illustrations provide current visual references NEW chapters on imaging and robotics have been added Updated chapters incorporate the latest advances and the newest information in neuroscience and intervention strategies Student resources on an Evolve companion website include references with links to MEDLINE and more

**Information Technology and Systems** Álvaro Rocha, Carlos Ferrás, Abel Méndez Porras, Efrén Jimenez Delgado, 2022-03-01 This book is composed by the papers written in English and accepted for presentation and discussion at The 2022 International Conference on Information Technology organizational models and information systems software and systems modelling software systems architectures applications and tools multimedia systems and applications

computer networks mobility and pervasive systems intelligent and decision support systems big data analytics and applications human computer interaction ethics computers health informatics information technologies in education and Media Applied Technology and Communication      Acute Care Casebook Bret P. Nelson,2019 Acute Care Casebook provides a case based approach to the broad practice of acute care medicine covering a variety of common patient presentations and clinical environments This book features over 70 illustrated cases including presentations of trauma and medical illness in wilderness medicine military and prehospital environments pediatrics emergency medicine and intensive care unit and floor emergencies Designed for students and trainees in medicine nursing EMS and other acute care specialties this text guides readers through not only symptom evaluation and treatment but also the thought process and priorities of experienced clinicians Each chapter features key diagnoses and management pearls from leading experts that will help prepare readers for any event from stabilizing and transporting a trauma patient in the field to managing post operative complications in the ICU

**Evaluation and Treatment of Myopathies** Emma Ciafaloni,Patrick Chinnery,Robert Griggs,2014-05-26 This new edition of Evaluation and Treatment of Myopathies is written for the clinician who sees patients with muscle disease or the patient with complaints of pain or weakness of muscle Like the original this new edition is divided in to 3 primary sections Approach to the Patient with Muscle Disease Specific Myopathies and General Strategies of Clinical Management each section providing practical guidance to eliciting key histories and demonstrate findings upon examination This new edition also provides guidance on the next steps in diagnoses as well as the latest information on pathogenesis diagnosis and treatment in an integrated manner so as to give trainees practicing clinicians and others who see neuromuscular disease perspective on how to evaluate and care for patients New and revised tables figures and references are selected and organized to present information of clinical importance to provide the most up to date resource on the myopathies

**Evidence-Based Interventional Pain Medicine** Jan Van Zundert,Jacob Patijn,Craig Hartrick,Arno Lataster,Frank Huygen,Nagy Mekhail,Maarten van Kleef,2011-12-12 Unrelieved chronic pain is a worldwide epidemic Chronic pain has been subject to multiple international initiatives through the World Health Organization Interventional Pain Medicine the use of minimally invasive techniques to relieve pain is the best approach when simpler measures such as physical therapy or medications fail However these procedures can be associated with significant risk and expense Establishing uniformity in diagnostic criteria and procedural performance can reduce both morbidity and unnecessary procedures and hence healthcare expenditures While other texts explain how to perform these procedures little focus has been given to diagnostic considerations if and when these procedures should be performed Evidence Based Interventional Pain Medicine focuses on a balance between effectiveness and safety of interventional management for specific diagnoses across all areas of chronic pain including Head neck and shoulder pain Lower back pain Neuropathic pain syndromes Complex Regional Pain Syndrome Pain in patients with cancer Vascular and visceral pain Evidence Based Interventional Pain Medicine provides essential



knowledge for anyone who uses or intends to use interventional pain techniques      **Essentials of Cardiopulmonary Physical Therapy - E-Book** Ellen Hillegass, 2010-12-10 NEW chapters cover the lymphatic system and pediatrics Revised chapters on cardiopulmonary anatomy and physiology differentiate between information that is need to know and that is nice to know An Evolve companion website includes medical animations to illustrate concepts along with a glossary glossary exercises and reference lists from the book linked to MEDLINE abstracts      *Physical Therapies in Sport and Exercise* Gregory Kolt, Lynn Snyder-Mackler, 2007-08-22 Physical Therapies in Sport and Exercise provides a truly comprehensive source of the latest evidence based approaches to the assessment management rehabilitation and prevention of injuries related to sport and exercise Written by an international multidisciplinary team of contributors all of whom are leaders in their fields it has been expertly compiled and edited by two experienced and well respected practitioners from Australia New Zealand and the USA Fully referenced and research based International team of experts are contributors Applied practical approach Changes in this second edition from the first edition include A new chapter on Cartilage A new chapter on Prevention of Injury A new chapter on Rehabilitation of lower limb muscle and tendon injuries Additional authors total over 60 chapter contributors compared with 48 in first edition Authors are world leading experts in their fields Authors from 10 countries 8 in the first edition      **Neuromusculoskeletal Examination and Assessment, A Handbook for Therapists with PAGEBURST Access, 4** Nicola J. Petty, Ann P. Moore, 2011 Rev ed of Neuromusculoskeletal examination and assessment Nicola J Petty Ann P Moore 1998      **Orthopedic Physical Assessment - E-Book** David J. Magee, Robert C. Manske, 2020-12-11 Selected for Doody's Core Titles 2024 with Essential Purchase designation in Sports Medicine 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 additional functional assessment forms e tools updated evidence based reliability and validity tables and hundreds of video clips included with print purchase demonstrating special tests on how to perform musculoskeletal assessment 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 NEW Additional functional assessment forms e tools have been incorporated NEW Video clips included with print purchase demonstrate special tests to give you a clearer understanding of how to perform musculoskeletal assessment NEW Enhanced ebook version included with print purchase provides access to all of the text figures and references from the book on a variety of devices *Ham's Primary Care Geriatrics E-Book* Gregg A. Warshaw, Jane F. Potter, Ellen Flaherty, Matthew K. McNabney, Mitchell T. Heflin, Richard J. Ham, 2021-01-05 Selected for Doody's Core Titles 2024 in Geriatrics Written with first line primary care providers in mind Ham's Primary Care Geriatrics A Case Based Approach 7th Edition is a comprehensive easy to read source of practical clinical guidance for this rapidly growing population Using a unique case based approach it covers the patient presentations you're most likely to encounter offering key clinical information expert advice and evidence based medical guidelines throughout This highly regarded text uses a consistent format and an enjoyable writing style to keep you informed engaged and up to date in this increasingly important field Uses a case study format that is ideal for learning retention and rapid recall All case studies are thoroughly up to date with current references Features an interdisciplinary perspective to provide team oriented knowledge on the best diagnosis treatment and management strategies available to address the complex needs of older adults Contains a new chapter on Lesbian Gay Bisexual Transgender LGBT Medicine in Older Adults as well as completely revised or rewritten chapters on rehabilitation infectious disease and urinary incontinence Provides up to date information on key topics such as opioid management and polypharmacy the geriatric emergency room cultural humility in the care of older adults and the five signs of problematic substance abuse Includes key learning objectives and USMLE style questions in every chapter Online extras include dizziness gait and balance video resources a dermatology quiz and a Cognitive Status Assessment with tests and patient teaching guides Enhanced eBook version included with purchase Your enhanced eBook allows you to access all of the text figures and references from the book on a variety of devices

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