

Medical Surgical Cheat Sheet

BEAUTIFUL NURSING LLC

VITALS

BP: 120/80
HR: 60-100 BPM
RR: 12-20
O2: 95-100%
Temp: 98.6 °F (37°C)
Pain: 0-10 on Pain Scale



LABS & ELECTROLYTES

BLOOD

Hemoglobin:
M 13-18, F 12-16
Hematocrit:
M 42-50, F 37-47
WBCs: 4-11K
RBCs: 4-6M

RENAL

Creatinine: 0.5-1.5
BUN: 10-20

ELECTROLYTES

Sodium: 135-145
Magnesium: 1.5-2.5
Calcium: 9-11
Chloride: 95-105
Potassium: 3.5-5
Phosphate: 2.5-4.5

COAGULATION

PT: 10-12
INR: <1.2
aPTT: 30-40
Platelets: 150-400K

METABOLISM

Glucose: 70-100
A1C: <5.6
Cholesterol: <200
Triglycerides: <150
LDL: <100
HDL: >60

ABGs

Ph: 7.35-7.45
PCO2: 35-45
HCO3: 22-28
PO2: 80-100

MEDICATION ADMIN

IM: Intramuscular 90°
Sites: Deltoid, Ventrogluteal, Vastus Lateralis
SC: Subcutaneous 45°
Sites: Abdomen or Back of Arm
ID: Intradermal 10-15°
Sites: Inner Surface of Forearm
IV: Intravenous 25°
Sites: Cephalic, Cubital, or Basilic Vein



IV FLUID TYPES

HYPOTONIC
0.45% NS

Fluid goes **INTO** cell to expand cells

ISOTONIC
0.9% NS

Replenishes cells w/o changing shape.

HYPERTONIC
3% NS

Fluid goes **OUT** of cell to shrink cells

O2 DELIVERY DEVICES

Nasal Cannula: 1-6 L/Min Flow Rate
Simple Face Mask: 6-12 L/Min Flow Rate
Partial Rebreather: 6-11 L/Min Flow Rate
Nonrebreather: 10-15 L/Min Flow Rate
Venturi: 4-12 L/Min Flow Rate
Aerosol Mask: >10 L/Min Flow Rate

INSULIN

LEARN

L: Long Acting

-Lantus "Glargine"
-Long Acting
-Lasts 24 hrs
-Lack of Peak
(Duration: 12-24 hrs)

R: Short Acting

-Regular
-Run IV
-Rapid to Run
(Onset: 1 hr, Peak: 2 hr, Duration: 4 hr)

E: Rapid Acting

-Eat with Injection
-Effective Immediately
-Eliminates a LAG of BG
L: Lispro
A: Aspart
G: Glulisine
(Onset: 15 min, Peak: 30 min, Duration: 3 hrs)

N: Intermediate Acting

-NPH
-Not Fast
-Not Clear
-Non-Compliant Crowd
(Onset: 6 hrs, Peak: 8-10 hrs, Duration: 12 hrs)

A: Adverse Effects of H's

Hypoglycemia, Hypokalemia, Hives, Headache

ALERT & ORIENTED

A&Ox1: Oriented to Person
A&Ox2: Oriented to Place
A&Ox3: Oriented to Time
A&Ox4: Oriented to Event

REFLEXES

0: Nonreactive **ABSENT**

1+: Diminished
2+: Active or **NORMAL**
3+: Brisker than Average
4+: Hyperactive with Clonus

PULSE STRENGTH

0: Pulse is absent
1+: Diminished
2+: **NORMAL**
3+: Full
4+: Bounding

ELECTROLYTE HACK

Potassium does **SAME** as prefix except Heart Rate & Urine Output
HYPERkalemia: ↑ everything except HR/Urine
HYPOkalemia: ↓ everything except HR/Urine

Calcium and **Magnesium** do **OPPOSITE** of prefix.

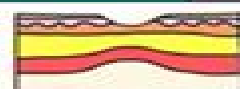
Hyper: ↓ everything (HR, BP, RR, etc)
Hypo: ↑ everything (HR, BP, RR, etc)

Pay attention to prefix letters in **Sodium**:
hypernatremia: E for dehydration
hyponatremia: O for Overload of fluid

PRESURE ULCER STAGES



Stage 1: Redness



Stage 2: Partial Thickness w/ Loss of Dermis



Stage 3: Full Thickness Tissue Loss



Stage 4: Full Thickness Tissue Loss w/ Exposed Bone, Muscle, Tendon

Study Guide Med Surg Linton 27

Ola Grimsby, Jim Rivard



Study Guide Med Surg Linton 27:

Study Guide for Introduction to Medical-Surgical Nursing - E-Book Adrienne Dill Linton, Nancy K.

Maebius, 2013-10-30 Student friendly and easy to use the Study Guide for Introduction to Medical Surgical Nursing 5th Edition is designed to help you master content and evaluate your progress through practical useful exercises and activities including a wealth of multiple choice and alternate format questions This edition places an increased emphasis on higher level application questions including exercises to encourage practice in setting priorities to prepare you to transfer your knowledge of medical surgical concepts to patient care in the clinical setting Helps you hone critical thinking skills essential for success on licensure exams and in clinical practice Reinforces textbook content and provides ample opportunity for self assessment with a wide variety of learning activities including matching key term and vocabulary review completion listing labeling illustrations ranking ordering and application questions for textbook nursing care plans Includes textbook page references making self assessment easier and faster Emphasizes application of nursing concepts with new knowledge and comprehension exercises and activities that ask you to apply your knowledge to patient care situations Features a new section at the end of each chapter Challenge Yourself Getting Ready for the NCLEX includes both standard multiple choice and alternate format questions over 1 800 that test your knowledge of chapter content while providing practice for the Boards Provides valuable practice in prioritizing deciding what to do first and assignment giving specific tasks to health care providers who may be supervised by LPNs skills that are essential for providing effective nursing care and are covered on the NCLEX PN Examination Links you to online Evolve resources where you ll find an additional set of review questions encouraging utilization of and familiarity with an electronic format

Study Guide for Introduction to Medical-Surgical Nursing Adrienne Dill Linton, PhD, RN, FAAN, Nancy K. Maebius, PhD, RN, 2015-02-03 Reader friendly and easy to use the

Study Guide for Introduction to Medical Surgical Nursing 6th Edition is designed to help you master content and evaluate your progress through practical useful exercises and activities including a wealth of multiple choice and alternate format questions This edition places an increased emphasis on higher level application questions including exercises to encourage practice in setting priorities to prepare you to transfer your knowledge of medical surgical concepts to patient care in the clinical setting Learning activities include matching key term and vocabulary review completion listing labeling illustrations ranking ordering and application questions for textbook nursing care plans Approximately 2 000 review questions include revised as well as new standard multiple choice and alternate format questions NCLEX review question answer rationales discuss both correct and incorrect responses to help you explore the logic of your choices Prioritization activities provide practice in prioritizing deciding what to do first and assignment giving specific tasks to health care providers who may be supervised by LPNs including nurse aids and nurse assistants NEW Completely revised content matches the most up to date nursing diagnoses

Study Guide for Medical-Surgical Nursing - E-Book Adrienne Dill Linton, Mary Ann

Matteson,2022-05-05 Questions arranged by level of difficulty move from simple recall to more difficult exercises designed to help you apply analyze and synthesize basic concepts Alternate format questions include multiple response labeling prioritizing ordering and calculation questions to help you practice for the NCLEX PN Review questions on care for older adults focus on long term care and community based settings asking you to apply content to real world practice Additional review questions are provided on the Evolve website for the textbook NEW Next Generation NCLEX format questions help you review and practice for the new licensure examination NEW Case studies in the clinical chapters allow you to develop skills in clinical judgment NEW Updated exercises and review questions match the new content in the textbook and cover newly approved pharmaceutical treatments and drugs *Study Guide for Linton and Matteson's Medical-Surgical Practical Nursing in Canada - E-Book* Katherine Poser,Adrianne Dill Linton,Mary Ann Matteson,2023-10-20 With chapters corresponding to the chapters in Linton and Matteson s Medical Surgical Practical Nursing in Canada this study guide provides a variety of questions and exercises to help you master the PN s role in Canadian medical surgical care Review exercises include fun activities multiple choice questions alternate format questions and more all divided by level of difficulty In the chapters on medical conditions practical questions help you apply your knowledge directly to real world patient care This study guides provides the review and practice you need to prepare for the REx PN or CPNRE licensure exams Comprehensive review reflects the latest Canadian Council for Practical Nurse Regulators CCPNR national PN competencies including Ontario and British Columbia Variety of exercises reinforces learning with matching multiple choice multiple response labelling diagram reading fill in the blank questions case studies and more Consistent format in each chapter Part I Mastering the Basics focuses on basic knowledge and comprehension of medical surgical nursing Part II Putting it All Together integrates chapter content related to basic pathophysiology and basic nursing content and focuses on comprehension and application levels Part III Challenge Yourself Getting Ready for PN Examinations focuses on the application or analysis levels of cognitive ability and can include case studies nursing care plans and nursing assessment Questions arranged by level of difficulty move from simple recall to more difficult exercises designed to help you apply analyze and synthesize basic concepts Alternate format questions include multiple response labelling prioritizing ordering and calculation questions to help you practice for the REx PN and CPNRE licensure examinations Review questions on care for older adults focus on long term care and community based settings asking you to apply content to real world practice Additional review questions are provided on the Evolve website for the textbook **Study Guide for Introduction to Medical-Surgical Nursing** Adrianne Dill Linton,Nancy K. Maebius,2007 Study Guide based on the textbook chapter objectives is designed to assist students in mastering the content presented in the text and includes learning activities multiple choice questions and page references for each question Includes listing matching labeling completion and multiple choice exercises Text page references accompany each question **Oh's Intensive Care Manual E-Book** Andrew D

Bersten, Neil Soni, 2008-12-05 The sixth edition of Oh's Intensive Care Manual provides practical concise information on all aspects of intensive care. Written in a clear and accessible style and now for the first time presented in colour throughout, this book enables the user to manage a patient in an ICU setting effectively without recourse to large text reference works or specialized monographs. This thoroughly revised and updated edition reflects the best and most current practice from leading centres in Australia, the UK and Western Europe. Although primarily intended for the trainee and practitioner in intensive care, nurses and other allied health professionals will find that this is an invaluable tool in helping to deal with a broad spectrum of conditions encountered in the ICU. Represents a consensus of practice standard of care in Australia, NZ, UK and Europe. Treatment guidelines are authoritative since they follow those that are recommended laid down by professional societies. Comprehensive covers all important areas of intensive care medicine. Provides a single resource that will cover everything that a user will need to know during the course of an ICU rotation. No need to refer to a larger textbook. Information on management and treatment of conditions is balanced by pathophysiological and pharmacological background. This is not just a cook book of procedures. It provides all of the essential information for candidates wishing to pass professional examinations. Covers the paediatric as well as the adult patient in the ICU. Provides quick access and practical guidance for all clinical scenarios. Extensive list of key references most taken from the last three years. Helps trainees and practitioners prepare for case conference presentations. Addition of colour throughout to highlight summary boxes, tables, charts and flow diagrams. Will make key information more accessible, easier and faster to retrieve. Line drawings extensively re-done in colour throughout. Will improve the user's understanding of the physiological processes under discussion. 5-10 Key points added at end of chapters. Will provide the user with a useful summary of the essential bottom line information. Pitfalls in treatment and management emphasized in each chapter. Provides the user with expert advice on practical issues that will be encountered on a day to day basis in the ICU. Includes the most current classification and clinical scoring schemes. Keeps the user abreast of the latest developments in diagnosis and management.

Handbook of Cardiac Anatomy, Physiology, and Devices Paul A. Iaizzo, 2007-11-08 the Lillehei Heart Institute in their funding of illustrator Martin. Finally I would like to thank my family and friends for their. Finch who prepared several of the original figures. Gary support of my career and their assistance over the years. Without Williams for his computer expertise and assistance with such encouragement I would not have even dreamed of taking on numerous figures. William Gallagher and Charles Soule who such an ambitious project. Specifically I would like to thank my made sure the laboratory kept running smoothly while many of wife Marge my three daughters Maria Jenna and Hanna my us were busy writing or editing. Dick Bianco for his support of morn Irene and siblings Mike Chris Mark and Susan for always our lab and this book project the Chairman of the Department being there for me. On a personal note some of my motivation for of Surgery Dr David Dunn for his support and encouragement working on this project comes from the memory of my father and the Biomedical Engineering Institute at the University of Anthony who

succumbed to sudden cardiac death at too early an age Minnesota headed by Dr Jeffrey McCullough who supported me and from the positive encouragement of my uncle Tom Halicki this project by funding the Cardiovascular Physiology Interest who is doing well seven years after a heart transplant Group most of whose members contributed chapters Paul A Izzo PhD Preface V Blood Pressure Heart Tones and Diagnoses Contributors ix George Bojanov **Oh's Intensive Care Manual** Andrew D. Bersten, Neil Soni, 2009-01-01 The sixth edition provides practical concise information on all aspects of intensive care Written in a clear and accessible style and now for the first time presented in colour throughout this book enables the user to manage a patient in an ICU setting effectively without recourse to large text reference works or specialized monographs This thoroughly revised and updated edition reflects the best and most current practice from leading centres in Australia the UK and Western Europe Information on management and treatment of conditions is balanced by pathophysiological and pharmacological background This is not just a cook book of procedures It provides all of the essential information for candidates wishing to pass professional examinations Addition of colour throughout to highlight summary boxes tables charts and flow diagrams Will make key information more accessible easier and faster to retrieve Pitfalls in treatment and management emphasized in each chapter Provides the user with expert advice on practical issues that will be encountered on a day to day basis in the ICU Keeps the user abreast of the latest developments in diagnosis and management *Basics of Blood Management* Petra Seeber, Aryeh Shander, 2008-04-15 Commended in the Haematology category at the British Medical Association Book Awards 2008 This unique and practical book introduces the reader to the concept of blood management and explains how to improve patient outcomes by avoiding undue blood loss enhancing the patient's own blood effective management of anemia and coagulopathy *Basics of Blood Management* is the first book dedicated to blood management a multidisciplinary and multimodality concept that focuses on patient outcome A practical and comprehensive text on the new and exciting field of blood management Takes an international perspective covering conditions encountered in developing and industrial countries Covers all areas of organization methods and tools Gives the reader an understanding of the concept and philosophy of blood management Provides clinical scenarios and exercises that help the reader to adapt information for their location Whether you are an early practising clinician in hematology transfusion critical care anesthesiology surgery or internal medicine a nursing specialist trainee or other member of the multidisciplinary blood management team this book will answer all your questions about blood management as an aid in improving patient outcome **Cumulated Index Medicus**, 1972 *Pathology and Intervention in Musculoskeletal Rehabilitation* David J. Magee, James E. Zachazewski, William S. Quillen, Robert C. Manske, 2015-11-20 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 rotary cuff and addresses rotary cuff injuries physical examination and non operative and operative treatment UPDATED Substantially revised chapter on the Thoracic Ring ApproachT 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

Science, Theory and Clinical Application in Orthopaedic Manual Physical Therapy: Applied Science and Theory Ola Grimsby, Jim Rivard, 2008-09-16 This long awaited textbook from The Ola Grimsby Institute provides decades of clinical experience and reasoning with both historical and current evidence with rationale for both passive and active treatments in orthopaedic manual therapy Practical guidelines for joint mobilization and exercise rehabilitation are presented with this logical and exciting work Incorporating experience and science this book

provides new approaches and treatment principles to make what you already do more effective Extensive Content Over 535 pages and 275 illustrations photographs and tables Ola Grimsby and his co authors have compiled a significant resource for the practicing physical therapist manual therapist or osteopath Motor Vehicle Collision Injuries Larry S. Nordhoff, 2005 A complete revision of the first edition this book presents the most current concepts of chiropractic diagnostic workup injury mechanisms patient management and prognosis of cervical and soft tissue injuries caused by automobile crashes It is a comprehensive overview of all relevant issues facing clinicians in private practice This edition includes five new chapters and includes real world examples that can be used in everyday practice With an entire section devoted to automobile collision data crash dynamics and human tolerance and injury factors it s extensively referenced from the clinical and automotive crash literature The second edition contains 5 new chapters that cover Emerging concepts in treating chronic whiplash pain has been added to explore some of the newer forms of treating the chronic patient Crash speeds and injury risk This chapter is unique in that it explores various international publications that evaluate the risk Attempts to dispel myths about crash speeds and gives a forensic overview of the application of these studies Have split the original chapter on injury mechanisms into 4 chapters in the second edition Chapter 15 focuses specifically into the arena of general applications of biomechanics relating to automobile crashes Chapters 16 18 provide individual chapters on frontal side and rear crash biomechanics These chapters explore the individual complexities of the varying types of crashes Human factors that influence injury and recovery has been added as a separate chapter to provide more detailed information to the clinician In addition the authors have focused on adding more information about the sensitivity and specificity of various orthopedic and neurological tests and have further explored the types of conditions that chiropractors treat To view the list of contributors to this edition click on the additional information button below Christopher J Centeno MDCo Editor The Journal of Whiplash and Related Disorders Board Certified Physical Medicine and Rehabilitation Board Certified Anesthesia Pain Management Medical Director The Spine Injury Foundation Charles Davis DC DAAPM CCST Michael D Freeman PhD DC MPH Forensic Trauma Epidemiologist Department of Public Health Preventive Medicine Oregon Health Science University School of Medicine Jay A Kaiser MD Medical Director National Orthopedic Imaging Associates Gerald P Keane MD Physiatry Medical Group SOAR Voluntary Clinical Assistant Professor Stanford University School of Medicine Daniel J Murphy DC Faculty Life Chiropractic College West Diplomate American Board of Chiropractic Orthopedists Richard Nolan MD Damon C Sacco MD Medical Director Nati *The Multiple Ligament Injured Knee* Gregory C. Fanelli, 2019-04-09 Now in its revised and expanded third edition this practical text remains devoted to diagnosis and management of the multiple ligament injured dislocated knee and related injuries Topics addressed in the third edition include issues of anterior and posterior cruciate and collateral ligament anatomy and biomechanics non invasive diagnostic methods radiographic evaluation arthroscopic evaluation arthroscopic reconstruction demonstrating several techniques posterolateral and posteromedial corner injuries

and treatment assessment and treatment of vascular injuries assessment and treatment of nerve injuries rehabilitation and post operative results ACL based multiple ligament injuries articular cartilage resurfacing and meniscus transplant in the multiple ligament injured knee treatment with external fixation treatment of extensor mechanism disruptions and advanced surgical techniques New chapters in the third edition include direct nerve transfer for peroneal nerve injury management of extensor mechanism disruption and patellar instability multiple ligament knee injuries in professional athletes internal bracing in multiple ligament knee reconstruction multiple ligament knee injuries in the United States active duty military population knee dislocations in the morbidly obese multiple ligament knee injuries in patients 18 years of age and younger and anterolateral ligament reconstruction in the multiple ligament injured knee Generously illustrated with line art and intraoperative photographs The Multiple Ligament Injured Knee 3e is still the only book available that focuses exclusively on this topic for orthopedic surgeons sports medicine specialists and all clinicians treating the knee **Textbook of Critical**

Care: First South Asia Edition - E-Book Jean-Louis Vincent,Edward Abraham,Frederick A. Moore,Patrick Kochanek,Mitchell P. Fink,2017-03-27 Comprehensive concise and readable Textbook of Critical Care First South Asia Edition brings you fully up to date with the effective management of critically ill patients providing the evidence based guidance you need to overcome a full range of practice challenges Drs Jean Louis Vincent Edward Abraham Frederick A Moore Patrick Kochanek and Mitchell P Fink are joined by other international experts who offer a multidisciplinary approach to critical care sharing expertise in anesthesia surgery pulmonary medicine and pediatrics This highly acclaimed text offers ICU clinicians a new understanding of the pathophysiology of critical illness and new therapeutic approaches to critical care Features a wealth of tables boxes algorithms diagnostic images and key points that clarify important concepts and streamline complex information for quick reference *Book Chat* William George Jordan,Adr Schade van Westrum,1890

Rehabilitation of the Spine Craig Liebenson,2007 The foremost authorities from chiropractics orthopaedics and physical therapy present a practical overview of spinal rehabilitation This 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

The Lancet ,1882 The Shoulder E-Book Charles A. Rockwood,Michael A. Wirth,2009-01-19 Significantly revised and updated the new edition of this highly regarded reference on the shoulder continues to impress A multitude of leading international authorities 30% new to this 4th edition present today s most comprehensive in depth view of the current state of shoulder practice all in a beautifully illustrated full color 2 volume masterwork They deliver the most up to date coverage of shoulder function and dysfunction along with practical approaches for patient evaluation and balanced discussions of treatment alternatives open and arthroscopic surgical and nonsurgical Greatly expanded and visually enhanced coverage of

arthroscopy as well as many new chapters provide expert guidance on the latest minimally invasive approaches New Critical Points summary boxes highlight key technical tips and pearls and two DVDs deliver new videos that demonstrate how to perform open and arthroscopic procedures And now as an Expert Consult title this thoroughly updated 4th edition comes with access to the complete fully searchable contents online as well as videos of arthroscopic procedures from the DVDs enabling you to consult it rapidly from any computer with an Internet connection Includes tips and pearls from leaders in the field as well as their proven and preferred methods Offers scientifically based coverage of shoulder function and dysfunction to aid in the decision making process Provides a balance between open and arthroscopic techniques so you can chose the right procedures for each patient Includes the entire contents of the book online fully searchable as well as procedural videos from the DVDs for quick easy anywhere access Features 30% new expert contributors and new chapters including Effectiveness Evaluation and the Shoulder Revision of Rotator Cuff Problems Management of Complications of Rotator Cuff Surgery Management of Infected Shoulder Prosthesis and others providing you with abundant fresh insights and new approaches Provides new and expanded material on the management of advanced arthritis and CTA infected arthroplasty procedures to manage the stiff shoulder and much more keeping you on the cusp of the newest techniques Offers enhanced coverage of shoulder arthroscopy including basic and advanced techniques and complications for expert advice on all of the latest minimally invasive approaches Devotes an entire new chapter to research frontiers to keep you apprised of what s on the horizon Incorporates Critical Points summary boxes that highlight key technical tips and pearls Uses a new full color design for optimal visual guidance of arthroscopic views and procedures Presents new videos on arthroscopic procedures on 2 DVDs to help you master the latest techniques

Oxford Textbook of Musculoskeletal Medicine Michael Hutson,Adam Ward,2016 This all in one companion to the field of musculoskeletal medicine describes basic concepts and offers practical guidelines for diagnosis and treatment and contains models of care which assist understanding of basic concepts

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