

Mcrae Orthopaedics 6th Edition

This publication brings together information on all aspects of OPLL - epidemiology, etiology, diagnosis, and treatment. It contains contributions by Japanese researchers and surgeons, including members of the Ministry of Health and Welfare Investigation Committee, and by American surgeons with expertise in the field. Until now, little has been published on the subject in English. This collection of reports is amply augmented with illustrations.

Incl. principles

First multi-year cumulation covers six years: 1965-70.

Now in its Tenth Edition and in continuous publication since 1959, Apley & Solomon's System of Orthopaedics and Trauma is one of the world's leading textbooks of orthopaedic surgery. Relied upon by generations of orthopaedic trainees the book remains true to the teaching principles of the late Alan Apley and his successor Professor Louis Solomon. This new edition is fully revised and updated under the leadership of new editors. It retains the familiar 'Apley' philosophy and structure, and is divided into three major sections: General Orthopaedics, Regional Orthopaedics and Trauma, thus enabling readers to gain the knowledge they need for their lifetime learning.

This book addresses malignant bone tumours by focusing upon physal distraction (epiphysiolysis) before excision. This technique has long been used by the authors of this book in preserving the joint in metaphyseal bone tumours in children.

Rapid Perioperative Care is an essential text for students and practitioners requiring up-to-date fundamental information on the perioperative environment. Covering a wide range of subjects related to perioperative practice and care, each chapter is concise and focused to guide the reader to find information quickly and effectively. This book uses a structured approach to perioperative care, starting with an introduction to the perioperative environment, anaesthetics, surgery and recovery, followed by postoperative problems and finally the roles of the Surgical Care Practitioner (SCP). Covering all the key topics in the perioperative environment, this concise and easy-to-read title is the perfect quick-reference book for students and theatre practitioners to support them in their work in clinical practice, and enable them to deliver the best possible care.

A classic text since it was first published in 1974, the Lippincott Manual for Nursing Practice (LMNP) has provided essential nursing knowledge and up-to-date information on patient care for nearly 40 years. Now in its 10th edition, this full-color text continues to serve as the most comprehensive reference for practicing nurses and nursing students worldwide. Often referred as the 'Lippincott Manual' or simply the 'Lippincott', the LMNP is widely used as a procedure manual for many healthcare institutions (contains 157 Nursing Procedure Guidelines). It is also widely regarded as the Gold Standard for nursing practice in the classroom. Organized into five major parts, LMNP presents a comprehensive reference for all types of core nursing care. Part 1: Nursing Process & Practice; Part 2: Medical-Surgical Nursing; Part 3: Maternity & Neonatal Nursing; Part 4: Pediatric Nursing; Part 5: Psychiatric Nursing. Content is evidence-based with supporting articles highlighted in actual entries and procedure guidelines. Official Guidelines that shape practice are incorporated in to the content and include

those from the National Institutes of Health, American Diabetes Association, American Heart Association, American Nurses Association, Joint Commission, AWHONN, and others. A companion Website includes full text, an image bank, and drug-related NCLEX®-style questions, FDA updates, and new clinical studies.

With its unique combination of classic Netter artwork, exam photos and videos, and rigorous evidence-based approach, Netter's Orthopaedic Clinical Examination, 3rd Edition, helps you get the most clinically significant information from every orthopaedic examination. This new edition allows you to quickly review the reliability and diagnostic utility of musculoskeletal physical exams and make it easier to incorporate evidence into your clinical decision making.--back cover.

This comprehensive book discusses cartilage repair and all its aspects. These aspects vary from basic insights in cartilage biology and regeneration via MRI, to results of existing cartilage repair techniques and upcoming novel approaches. Fundamental cartilage biology is the topic covered within the first chapters of the book. These chapters not only provide an insight in healthy, damaged and regenerative cartilage but also describe developments in gene therapy and methods to enhance chondrogenesis of stemcells and prevent hypertrophic differentiation. There is a huge progress in the possibilities of MR imaging of both healthy, damaged and regenerative cartilage. These developments not only enable better monitoring of cartilage repair but may also unravel the pathophysiology of the development of cartilage defects. Different cartilage repair techniques (e.g. allografts, autologous chondrocytes transplantation [ACT], microfracture), there technical aspects (e.g. developments towards an total arthroscopic approach), pitfalls, and outcomes are reported in the following chapters. In these chapters factors important for the results of cartilage repair such as meniscal repair, patient factors are described. Finally, an overview of novel cartilage repair techniques such as minced cartilage, denovo cartilage and more areas are discussed in this comprehensive addition to the literature.

This is the 2nd edition of the book Practical Orthopedic Examination Made Easy. The text is comprehensive, updated and fully revised as per the present day requirements in the subject of orthopedics. In this edition ofbook cases on malunited distal radius fracture, intertrochanteric fracture, cut tendon injuries, carpal tunnel syndrome are included. The book has 12 chapters. The first chapter deals with how to approach for history taking and examination in orthopaedic patient. Chapter two and three provides a comprehensive description of examination of hip and knee joints respectively. Chapter. Merriman's Assessment of the Lower Limb has established itself through two editions as the benchmark text book of lower limb examination and assessment. The third edition preserves the lucidity, logical approach and comprehensive coverage of its predecessors but adds many exciting features, including online resources (videos and images), many new contributors, thorough updating of all chapters – many of which have been completely rewritten – and an entirely new chapter on functional assessment. The online resources (access via <http://booksite.elsevier.com/9780080451077>) provide extensive videos of assessment techniques and illustrations: practitioners with patients and models show how to assess all parts of the lower limb, and evaluate various conditions. Together with its companion volume Clinical Skills in Treating the Foot, the new third edition of Merriman's Assessment of the Lower Limb is a truly indispensable guide for podiatry students and

practitioners, as well as trainee general practitioners, medical students working in rheumatology, diabetology and orthopaedics, sports therapists and sports medicine trainees. Online resources incorporating videos and illustrations: invaluable footage of assessment techniques downloadable full colour figures and extra radiological photographs Log on to <http://booksite.elsevier.com/9780080451077> and follow the on-screen instructions. Many new contributors bringing fresh expertise and insights for today's student All chapters thoroughly rewritten and updated New chapter on functional assessment Case histories help put learning in context

Organized by body region, the book includes descriptions and illustrations of normal and abnormal anatomy, step-by-step walkthroughs of common, highly useful tests to determine joint and muscle disorders, and extensive photographs of proper physical examination procedure. The fully revised second edition includes Take-Home Points at the end of every chapter--perfect for quick review--and handy differential diagnosis tables based on common patient complaints, and line drawings designed to illustrate difficult-to-picture anatomical structures.

Now in its revised, updated Seventh edition, this text provides residents and medical students with a broad overview of adult and pediatric orthopaedics. Major sections focus on general and regional disorders of the musculoskeletal system.

Systemic Lupus Erythematosus combines basic science with clinical science to provide a translational treatment of the disease and is a useful reference for specialists in the diagnosis and management of patients with SLE, a tool for measurement of clinical activity for pharmaceutical development and basic research of the disease and a reference work for hospital libraries. Provides the very latest overview of the pathogenesis of SLE Distills current understanding of the cellular, molecular, genetic and environmental factors that instigate and drive the disease Includes comprehensive coverage of clinical features, including fatigue, organ system manifestations, overlap syndromes, infections, and more Conveys the very latest understanding of mechanisms of tissue damage, including immune complexes, antibodies, and other mechanisms that lead to organ damage Discusses the latest treatment options on disease modifying or disease controlling agents Provides 'one stop' coverage of all the latest scientific and clinical developments in SLE

Thoroughly updated for its Fourth Edition, this pocket-sized go-anywhere guide is the ideal on-the-spot reference for residents and practitioners seeking fast facts on fracture management and classification. Chapters organized by anatomic site provide key information on fractures in adults and in children, including epidemiology, anatomy, mechanism of injury, clinical evaluation, radiologic evaluation, classification, treatment, and management of complications. The book's easy-access format features numerous charts, tables, diagrams, illustrations, and bulleted lists. This edition includes new and updated information on aspiration of the joints, fracture reduction, traumatic lacerations, and multiple trauma.

Ankylosing spondylitis and Klebsiella is a comprehensive and informative text on the cause of Ankylosing spondylitis. Ankylosing spondylitis (AS) is a condition which affects 20 million people worldwide and is likely caused or initiated by a bowel infection from Klebsiella bacteria. When a patient is infected by Klebsiella bacteria, his or her immune system will make antibodies against all the antigens or molecules found in the microbe. Because some of the bacterial antigens resemble self tissues, the anti-bacterial

antibodies will attack not only the bacteria but also the self tissues such as the joints and the cells having the same HLA molecules, which is how the disease AS starts. This is the concept of molecular similarity or “molecular mimicry” which previously has been found to work in two other autoimmune diseases; rheumatic fever and rheumatoid arthritis. The first paper on this subject was published in 1976 and since then over 100 papers on rheumatological topics have been published, from Prof Ebringer’s group, at the Division of Life Sciences, King’s College in London, UK. The relevant information from these papers is extracted and presented in this book format making it accessible to health professionals, research institutions, pharmaceutical companies and universities and the general public.

Traditionally, each specialty involved in craniomaxillofacial trauma and orthognathic surgery had its own areas of interest and expertise. This introductory textbook is different in that it presents the combined and focused expertise and competence of the different specialties on the entire craniofacial skeleton. The principles described in this textbook represent the evolution of craniomaxillofacial buttress reconstruction over the last 60 years. In addition to standard procedures, techniques representing recent surgical advances and new developments are introduced as well. This textbook not only provides an overview on current concepts of craniomaxillofacial trauma care and orthognathic surgery, but also helps to understand the complexity of the craniofacial skeleton and its related soft tissues for an efficient and successful reconstruction of the face following trauma and congenital deformities.

The updated text includes a number of new tests and methods of assessing overall limb function. More information has been added in the section on back pain. There is an expanded description on the interpretation of the ankle jerk and more information on tracking the progress of skeletal maturation. A new up-to-date design reflects that of the sister volume Practical Fracture Techniques

It is indeed a pleasure to prepare the foreword for vidual surgeons. In addition, it can be read from this text, mainly because I am now a senior ortho- front to back as a history of orthopedics. We are pedist who has known so many of the great ortho- all indebted to S. B. Mosto? for this fascinating pedists who are described in such great detail in book. It is truly a text for everyone who has an this book. Some of the named physicians have interest in orthopedics, and surely should be read been my very close personal friends, many have by orthopedic trainees, faculty members, and been my teachers, professors and colleagues. practicing orthopedists. I suggest it be placed in Indeed, these physicians through their contribu- every library in medical institutions and hospitals. tions have made the ?eld of orthopedic surgery what it is today worldwide. Charles A. Rockwood, Jr. , MD This is a wonderful source of information on University of Texas Health Science Center the interesting lives and contributions of the indi- San Antonio, TX, USA vii PREFACE My obsession with history goes back a long way. To keep the book readable and reasonable in Some years ago I began to focus my curiosity on size, I sadly had to cut down the number of individuals whose names are attached to orthope- entries.

Examination Techniques in Orthopaedics comprehensively covers the basic examination skills and important special tests needed to evaluate the adult and paediatric musculoskeletal system. Chapters are presented in an easy-to-read, memorable format, helping readers develop their own detailed framework for patient examination as well as promoting exam success. For this new edition, all of the chapters have been rewritten in a uniform style and a chapter on general principles has been added. Each chapter is illustrated by clinical photographs and photographs demonstrating the techniques on models, and includes a summary of techniques, which readers will find useful in exam preparation. The contributing authors are experienced in teaching clinical examination both in the hospital setting and on

national courses, and furthermore, many are examiners with firsthand awareness of what candidates need to know. Invaluable reading for those taking undergraduate and postgraduate examinations, practising orthopaedic surgeons, physiotherapists, general practitioners, medical students and rheumatologists.

This book is a comprehensive guide to proprioceptive rehabilitation after orthopaedic and sports surgery. In addition, it equips readers with a thorough understanding of the neurophysiology and assessment of proprioception and clearly explains the relationships between surgical procedures, injuries, and anatomy and proprioception. Proprioception is still an unclear topic for most clinicians and scientists, and this is the first book specifically on proprioception in the context of orthopaedics and sports injuries, surgery, and rehabilitation. After an opening section describing key basic knowledge, individual chapters discuss proprioception after injuries and surgery to different parts of the body and explain the role of proprioceptive training in optimal rehabilitation. Among other topics addressed are proprioception after soft tissue regenerative treatment and the relation between osteoarthritis and proprioception. The book includes numerous descriptions of exercises, photographs, and tables documenting rehabilitation strategies. It will be of value for all students, clinicians, and academicians with an interest in the subject.

The best clinically-focused, mid-sized reference covering the evaluation, management, and treatment of common orthopedic conditions. Emphasizes the impact of changes in imaging technology on the optimal approach to diagnosis and treatment. Includes a concise review of the basic science underlying current orthopedic surgery practice. Features more than 500 illustrations, an easy-access format, and a valuable chapter on orthopedic surgery in children. Netter's Concise Orthopaedic Anatomy is a best-selling, portable, full-color resource excellent to have on hand during your orthopaedic rotation, residency, or as a quick look-up in practice. Jon C. Thompson presents the latest data in thoroughly updated diagnostic and treatment algorithms for all conditions while preserving the popular at-a-glance table format from the previous edition. You'll get even more art from the Netter Collection as well as new radiologic images that visually demonstrate the key clinical correlations and applications of anatomical imaging. For a fast, memorable review of orthopaedic anatomy, this is a must-have. Maintains the popular at-a-glance table format that makes finding essential information quick and convenient. Contains useful clinical information on disorders, trauma, history, physical exam, radiology, surgical approaches, and minor procedures in every chapter. Lists key information on bones, joints, muscles, and nerves in tables correlate to each Netter image. Highlights key material in different colors—pearls in green and warnings in red—for easy reference. Features both plain film and advanced radiographic (CT and MRI) images, along with cross-sectional anatomic plates for an even more thorough visual representation of the material. This "updated" second edition includes test-yourself images and notes. All other content is the same as the 2010 2nd edition.

Written by leading orthopaedists and rehabilitation specialists, the second edition of Hoppenfeld's Rehabilitation and Treatment of Fractures presents sequential treatment and rehabilitation plans for fractures of the upper extremity, lower extremity, and spine. The book demonstrates how to treat each fracture--from both an orthopaedic and a rehabilitation standpoint--at each stage of healing. Introductory chapters review the fundamentals of fracture management--bone healing, treatment modalities, biomechanics, assistive devices and adaptive equipment, gait, splints and braces, therapeutic exercise and range of motion, and determining when a fracture is healed. Subsequent chapters focus on management of individual fractures. Each chapter on an individual fracture is organized by weekly post fracture time zones, from the day of injury through twelve weeks. For each time zone, the text discusses bone healing, physical examination, dangers, x-rays, weight bearing, range of motion, strength, functional activities, and gait/ambulation.

Ideal for anyone involved in the care of children with musculoskeletal problems, this best-selling resource has been completely updated to be even more relevant to your everyday practice. Comprehensive and user-friendly, it covers the diagnosis and management of pediatric orthopedic issues with an emphasis on the welfare of the whole child. More than 1,700 color illustrations make it easy to visualize everything from normal variations to treatment plans to potential pitfalls, for virtually any pediatric orthopedic challenge you may encounter. Features: Thoroughly up-to-date and evidence-based, including expanded material on sports medicine. Lavishly illustrated with over 1,700 color drawings and photographs – a uniquely visual approach you'll appreciate for rapid reference and quick understanding. Parent education guides make it easy to provide important information to caregivers and increase compliance. Comprehensive coverage includes growth, evaluation, management, trauma, sports, infections, and tumors, as well as each anatomical area: lower limb, foot, knee, hip, spine, and upper limb. Designed to meet the everyday needs of health care practitioners who are involved with pediatric musculoskeletal problems, including primary care physicians, pediatricians, and orthopedists.

Trauma and Orthopaedics at a Glance is an easy-to-read, highly visual guide to orthopaedics. It comprehensively covers relevant basic science and clinically-oriented anatomy of the musculoskeletal system, and the diagnosis and management of trauma, sports injuries, paediatric orthopaedics, degenerative disease, and musculoskeletal tumours. Although primarily aimed at junior doctors and senior medical students, it is also useful for physiotherapists and nurse practitioners. Trauma and Orthopaedics at a Glance: • Provides thorough coverage of diagnosis, investigation and contemporary treatment options of commonly encountered orthopaedic conditions; • Features a section on what to expect as a Foundation doctor in orthopaedics, including how to present cases in trauma meetings, essential information to survive 'on-call' shifts and tips for efficient clerking of trauma admissions; • Unique 'how to' section, comprising guidance on key practical procedures such as aspirating joints, manipulating fractures and applying plaster casts. • Includes a companion website at ataglanceseries.com/tando featuring 120 multiple-choice questions and 10 case studies This brand new title presents an overview of all the information relating to diagnosing and treating musculoskeletal conditions, and is ideal while on rotation or revising key concepts. This extensively revised and redesigned edition of Adams's classic textbook on orthopaedics celebrates its 50th year in print. Renown for its clear, comprehensive and concise account of the subject the book will appeal to undergraduate, postgraduate and trainee surgeons alike. New edition of an internationally respected and successful textbook of orthopaedics. Gives succinct practical guidance on examination of the limbs and spine - especially useful for exam candidates. Provides up-to-date surgical therapies as well as conservative treatment options for orthopaedic conditions. Highly praised by reviewers for its clear and lucid text, and for its logical classification of orthopaedic conditions. A new author team includes a specialist contributor on imaging techniques. The sections on clinical methods and diagnostic techniques have been expanded in particular, those on new imaging modalities. Includes recent advances in minimal access surgery. Includes expanded coverage of hip surgery, spinal surgery and reconstruction. Includes a discussion of the role of genetics in the diagnosis of bone disorders. A revised, two-colour page design now matches that of its sister title Outline of Fractures. The extended artwork programme now includes more line drawings, new radiographs, MRI and CT scans.

Churchill's Pocketbook of Orthopaedics, Trauma and Rheumatology offers a practical guide to these three combined disciplines in a handy pocketbook format and is ideal for medical students, junior doctors and trainees. The book is perfect for clinical placements in orthopaedics, emergency medicine, rheumatology and general practice, as well as during the undergraduate musculoskeletal anatomy course. The book guides the reader through effective

history taking, patient examination, and the selection and interpretation of routine investigations. There are sections on anatomy, paediatrics and trauma assessment, including pre- and post-operative care and complications, together with a comprehensive section on the common medications used in all three specialties. The book will help improve a reader's diagnostic skills and inform about current treatment options. In this second edition the authors have updated the content to reflect changes in surgical practice and advances in therapeutics, as well as the molecular understanding of genetic and inflammatory disorders. Details of common procedures have been added. The updated layout has new 'overview' and 'hints and tips' boxes. The aim of the revision has been to provide concise and important information to both medical students revising for their exams, but also to junior doctors in their first years following graduation.

This book is exceptional in providing detailed state of the art guidance on all aspects of transfer of the latissimus dorsi tendon for indications including irreparable posterosuperior rotator cuff tears, irreparable subscapularis tears, and shoulder replacement. In addition to clear, well-illustrated descriptions of arthroscopically assisted surgical technique, readers will find helpful information on biomechanics, surgical indications, post-transfer rehabilitation, and complications and their management. Outcomes from individual studies and meta-analyses are evaluated, and a feature of special interest is the presentation of experiences and results in a series of more than 430 patients using the surgical technique first described by Enrico Gervasi more than 10 years ago. This technique involves modifications in both preparation of the footprint for the latissimus dorsi tendon and the biomechanical features of the tendon transfer and is very different from the procedure proposed by Christian Gerber. The book will be of high value for all orthopedic surgeons who perform this complex shoulder surgery, as well as for residents and fellows-in-training.

A trusted resource for anyone involved in EEG interpretation, this compact handbook is designed for on-the-go reference. Covering the essential components of EEG in clinical practice, the book provides graphic examples of classic EEG presentations with essential text points of critical information to enhance reading skills to aid in improving patient outcomes. Authored by prominent experts in clinical neurophysiology, this second edition is updated to reflect current advances in ICU and intraoperative monitoring and includes new chapters on polysomnography, status epilepticus, and pediatric EEG. The Handbook of EEG Interpretation, Second Edition fits in a lab coat pocket to facilitate immediate information retrieval during bedside, OR, ER, and ICU EEG interpretation. It is divided into eight sections that cover all major EEG topics including normal and normal variants, epileptiform and nonepileptiform abnormalities, seizures and status epilepticus, ICU EEG, sleep, and intraoperative monitoring. Each chapter highlights the principal challenges involved with a particular type of EEG interpretation. Consistently formatted and packed with practical tips, this handbook is a highly useful tool for residents, fellows, clinicians, and neurophysiology technologists looking for quick and reliable EEG information, regardless of specialty or level of training. Key Features of Handbook of EEG Interpretation, Second Edition: Updated and expanded to reflect advances in clinical EEG applications, including three new dedicated chapters Addresses all areas of EEG interpretation in a concise, pocket-sized, easy-to-access format Provides organized information and a visual approach to identifying EEG waveforms and understanding their clinical significance Presents information consistently for structured review and rapid retrieval Includes practical tips by notable experts throughout "...Large variety of subjects, good diagrams, thoroughly researched data....The book would make a good addition to a departmental or personal library."-- American Journal of Electroneurodiagnostic Technology "...[H]elpful for neurology residents and fellows who are learning EEG interpretation or who need to make decisions while on call at the hospital "-- Doody's Reviews
Clinical Orthopaedic Examination Churchill Livingstone

For nearly a quarter century Miller's Review of Orthopaedics and the accompanying annual Miller Review Course (www.MillerReview.org) have been must-have resources that residents and practitioners have turned to for efficient and effective exam preparation. This 7th Edition continues to provide complete coverage of the field's most-tested topics, now reorganized to be more intuitive, more user-friendly, and easier to read. Numerous study aids help you ace your exams: a superb art program, including full-color tables, images, and pathology slides; improved concise, bulleted text design; "testable facts" in every chapter; multiple-choice review questions written by experts in the field; and much more. Video clips and SAQs available online for easy access. Content and topic emphasis are fully aligned with the ABOS (American Board of Orthopaedic Surgery) and OITE (Orthopaedic In-Service Training Exam) exams, giving you the confidence you need to prepare for certification and recertification. Completely revised sections on anatomy, spine, and tumors, along with input from many new authors, keep you fully up to date. An increased emphasis on imaging, along with the most current results and techniques, ensure that you're prepared for today's exams. Includes new coverage of femoroacetabular impingement, spine trauma, common medications used in orthopaedics, and recent advances in basic sciences. Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, images, and references from the book on a variety of devices.

Lippincott Manual of Medical-Surgical Nursing Adaptation of Nettina: Lippincott Manual of Nursing Practice, 10/Suresh K. Sharma This book is south Asian adaptation of Nettina: Lippincott Manual of Nursing Practice, 10/e. Customized as per the General Nursing Midwifery curriculum prescribed by Indian nursing council (INC). It not only provides but establishes authentic content of international standard but also caters to the specific curriculum requirement of nursing student of India.

Written by a leader in the field, the revised 2nd Edition of this outstanding, practical handbook concisely and clearly discusses the key aspects of orthopaedic theory, examination and fracture treatment for quick consultation in the clinical setting. Abundant illustrations - drawn by the author - complement the text superbly to help you understand concepts and techniques easily. Offers a user-friendly reference in a compact, pocket-sized format for on-the-go consultation. Provides unique illustrations that present clear guidance on how to perform an orthopaedic examination and treat a full range of fractures. Answers clinical questions with remarkable clarity and brevity. Includes expanded information, including coverage of additional instabilities and operative fracture treatment. Features improved illustrations to include fracture-site labeling.

This book Periprosthetic Joint Infection is a portable guide to the practical management of surgical site infections following orthopedic procedures. It designed to help answer clinician's questions regarding the prevention and treatment of periprosthetic infections. It organized for rapid review, featuring evidence reviews, pitfalls, Rothman Institute Current Practices and Controversies. The guide is being included in the course materials for the 29th Annual Current Concepts in Joint Replacement® (CCJR) meeting thanks to a generous educational grant from 3M Health Care.

This practical handbook covers the diagnosis and management of fractures in adults and children. Each chapter is organized as follows: Epidemiology, Anatomy, Mechanism of Injury, Clinical Evaluation, Radiologic Evaluation, Classification, treatment, Complications. Section 1 also covers Multiple Trauma, Gunshot Wounds, pathologic and periprosthetic fractures, and orthopedic analgesia. The new edition will be in full color and will include a new chapter on the basic science of fracture healing, as well as a new section on intraoperative Imaging. Features: Bulleted format allows quick access and easy reading Consistent format for targeted reading Covers adult and pediatric fractures Covers fractures in all anatomic areas Heavily illustrated Portable In Full color New chapter: Basic Science of Fracture Healing New Section:

Intraoperative Imaging

This MRI atlas of the knee joint is the fruit of interdisciplinary cooperation among radiologists, orthopedists and traumatologists. All important diseases and injuries of the knee are covered. Every part of the joint is comprehensively depicted in a series of MR images ranging all the way from the normal status to frank disease. Clinical evaluation of the findings is followed in each case by detailed information on diagnostic pitfalls, staging of disease and consequences for treatment. This special format helps to differentiate clearly between normal and abnormal imaging findings and facilitates construction of engrams for the major joint structures.

Featuring 775 full-color illustrations, this atlas demonstrates the surgical approaches used in orthopaedics and provides a surgeon's-eye view of the relevant anatomy. Each chapter details the techniques and pitfalls of a surgical approach, gives a clear preview of anatomic landmarks and incisions, and highlights potential dangers of superficial and deep dissection. The Fourth Edition describes new minimally invasive approaches to the spine, proximal humerus, humeral shaft, distal femur, proximal tibia, and distal tibia. Other highlights include new external fixation approaches for many regions and surgical approaches to the os calcis. New illustrations of the appendicular skeleton are included. New drawings show the important neurovascular structures that need to be protected.

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