

Bone And Joint Imaging

Bone and Joint Imaging E-Book Elsevier Health Sciences

Featuring over 4,000 large-size illustrations and unique, effective pedagogy, the Fifth Edition of Dr. Greenspan's best-seller is the ideal teaching text on musculoskeletal imaging for radiologists and orthopedists at every level of training. Orthopedic Imaging: A Practical Approach covers all orthopedic problems and imaging modalities and offers indispensable guidance on selecting cost-effective imaging techniques. The Fifth Edition has a new full-color design, with colorized tables and schematics and full-color illustrations including PET-CT. All conventional tomography has been replaced by CT. Coverage of MRI—the scan of choice for more clinical situations than ever—has been greatly expanded, especially in areas related to arthritis. More three-dimensional CT scans have been added, particularly to areas covering trauma. Musculoskeletal ultrasound coverage has been increased. Practical Points to Remember appear at the end of each chapter to outline salient points. A companion website will offer the fully searchable text and images.

Integrating MRI findings associated with the spectrum of problems seen in the most commonly treated joints in sports medicine with the diagnostic findings seen during arthroscopy of the same joint in the same patient, this unique text correlates this pathology and applies these findings to the clinic, the radiology reading room and the operating suite. Representing a microcosm of daily patient care, this type of interactive correlation is an exceedingly effective tool for education and continued learning, an impetus for interdisciplinary research collaboration and a critical part of an approach to optimum patient care. Furthermore, this case-based correlation between MRI imaging and arthroscopic findings and treatment is a well-received and effective method for teaching and discussion at meetings and instructional courses. MRI-Arthroscopy Correlations is organized into four sections highlighting the four major joints in which MRI and arthroscopy are most commonly used in sports medicine: knee, shoulder, elbow and hip. Chapters are formatted to present an overview of the specific disease entity first, followed by selected cases chosen by the chapter authors that best illustrate common or noteworthy disease entities or pathology with an emphasis on the parallel MRI imaging and arthroscopic findings. Each of the section editors, as well as the volume editor, are nationally recognized experts, teachers and pioneers in their respective areas of sports medicine and have covered the gamut of topics in each of their sections. Taken together, this will be an invaluable resource for sports medicine specialists, orthopedic surgeons and musculoskeletal radiologists alike, promoting increasingly accurate diagnoses of pathology and advanced treatment options to aid in the optimization of patient care and recovery.

This volume provides an updated review of imaging abnormalities in orthopedic sports injuries. The first part of the book contains background information on relevant basic science and general imaging principles in sports traumatology. The second part comprises a topographic discussion of sports injuries. Each chapter highlights the merits of different imaging techniques, focused on a specific clinical problem. In the third part, natural history, monitoring and follow-up imaging are discussed.

Multiauthored book dealing comprehensively with the various aspects of imaging of pediatric musculoskeletal trauma. The work is subdivided in three main sections: Overview of lesions; Imaging of traumatic injuries according to body region; typical traumatic injuries of early infancy. The third section includes also legal aspects of child abuse (battered child) and will indicate current international medical-legal guidelines. The didactical approach and the wide-ranging account of the subject makes the book particularly valuable to practitioners from various disciplines, involved in diagnosis and management of trauma of pediatric bone and joint

This thousand-page text contains over 550 color illustration plates and over 1000 radiographic images. Each radiographic diagnosis is discussed in outline format with thumbnail images of other differential considerations. While the unique correlative color illustrations for each diagnosis allow the reader to better understand anatomy and mechanism of disease, the concise yet complete format of the textbook allows for quick reference in the clinical setting.

Comprehensive, visually appealing, and easy to understand, Osborn's Brain, second edition, by the highly esteemed Dr. Anne G. Osborn, provides a solid framework for understanding the complex subject of brain imaging when studied cover to cover. Almost completely rewritten and featuring 75% new illustrations, it combines essential anatomy with gross pathology and imaging, clearly demonstrating why and how diseases appear the way they do. The most immediate emergent diagnostic topics are followed by nonemergent pathologies, integrating the most relevant information from Dr. Osborn's entire career of accumulated knowledge, experience, and interest in neuropathology, neurosurgery, and clinical neurosciences. Covers the "must-know" aspects of brain imaging together with spectacular pathology examples, relevant anatomy, and up-to-date techniques in neuroradiology—perfect for radiologists, neuroradiologists, neurosurgeons, and neurologists at all levels Begins with emergent topics such as trauma, nontraumatic hemorrhage, stroke, and vascular lesions, followed by infections, demyelinating and inflammatory diseases, neoplasms, toxic-metabolic-degenerative disorders, and congenital brain malformations Features more than 4,000 stunning, high-resolution radiologic images and medical illustrations, all of which are annotated to describe the most clinically significant features Includes Dr. Osborn's trademark summary boxes scattered throughout for quick review of essential facts, as well as the most recent and up-to-date references available Helps readers think clearly about diagnoses, types of diagnoses, and the various pathologies that can affect the brain Includes new WHO classifications of brain tumors, new entities including IgG4-related disease and CLIPPERS, new and emerging infectious diseases, and updated insights into brain trauma and brain degeneration

Musculoskeletal Imaging: The Requisites, 4th Edition delivers the conceptual, factual, and interpretive information you need for effective clinical practice in musculoskeletal imaging, as well as for certification and recertification review. Master core knowledge the easy and affordable way with clear, concise text enhanced by at-a-glance illustrations, boxes, and tables - all completely rewritten to bring you up to date. Find key information easily with numerous outlines, tables, "pearls," and boxed material for easy reading and reference. Access the fully searchable text and downloadable images online at www.expertconsult.com. Get the best results from today's most technologically advanced approaches, including new uses of MR and ultrasound for early diagnosis and monitoring of inflammatory arthritis. Prepare for the written board exam and for clinical practice with critical information on femoroacetabular impingement, arthrography, hip replacement, cartilage tumors, bone marrow imaging (including focal and diffuse replacement), and sports medicine (including athletic pubalgia/sports hernia). Stay up to date on soft tissue tumors with significantly expanded content, illustrated tumor-specific findings, and new AJCC staging and diagnostic information. Clearly visualize the findings you're likely to see in practice and on exams with 300 new MRI, CT, ultrasound, and x-ray images throughout.

Specialty Imaging: Temporomandibular Joint offers expert insight into modern imaging of the temporomandibular joint by employing a multifaceted, multispecialty viewpoint of this difficult to understand joint. Image-rich content combines with easy-to-read text, bringing together the clinical perspectives and imaging expertise of today's research specialists. Includes extensive, in-depth explanations of the underlying mechanisms of normal vs. abnormal temporomandibular joints and how those present on radiographic imaging. Provides coverage of hot topics such as understanding the temporomandibular joint through biomechanical engineering, structure/function of the temporomandibular joint in normal

and pathologic joints, and clinicoradiological correlation of temporomandibular joint findings. Details anatomic and functional interrelationships in conjunction with radiology.

Interpret musculoskeletal images with confidence with *Orthopedic Radiology: A Practical Approach!* This trusted radiology reference has established itself as an ideal comprehensive source of guidance for radiologists and orthopedists at every level of training. Features Effectively interpret a full range of findings with the aid of more than 4,000 outstanding illustrations that encompass conventional radiography, ultrasound, CT, dual-energy CT, PET-CT, and all other diagnostic imaging modalities used to evaluate musculoskeletal disorders, including numerous examples of 3-D imaging. Master the latest trends in orthopedic radiology including the increasing emphasis on ultrasonography and MRI over other methods that expose patients to higher levels of radiation. Choose the best imaging approach for each patient with discussions of each technique's accuracy, speed, and cost. Apply a state-of-the-art knowledge of magnetic resonance imaging interpretation with advanced guidance from renowned musculoskeletal MRI authorities. Find the information you need quickly and easily thanks to informative diagrams and schematics, and a quick-reference, high-yield format, including "Practical Points" summaries at the end of each chapter for quick review. Now with the print edition, enjoy the bundled interactive eBook edition, offering tablet, smartphone, or online access to: Complete content with enhanced navigation A powerful search that pulls results from content in the book, your notes, and even the web Cross-linked pages, references, and more for easy navigation Highlighting tool for easier reference of key content throughout the text Ability to take and share notes with friends and colleagues Quick reference tabbing to save your favorite content for future use

This uniquely interdisciplinary book is a practical resource on orthopedic MR imaging that bridges the backgrounds of radiologists and orthopedic surgeons. Radiologists learn why surgeons order imaging studies. They also learn terminology that will help them tailor reports to the specialty. Orthopedic surgeons gain insight on when to order an MRI, how MRI affects decision making, and how to interpret images. Case studies also depict key clinical and exam points, supplemented by MR images and illustrations. Shorter sections highlight other anatomical areas, and additional chapters address diagnostic accuracy and imaging pitfalls.

This book emphasizes the tremendous value of pinhole scintigraphy in diagnosing nearly the whole spectrum of bone and joint diseases. Pinhole scintigraphy discloses anatomic and pathologic as well as chemical alterations in greater detail, permitting analytical interpretation and raising the sensitivity as well. Infections, nonspecific bone inflammation, rheumatoid arthritis, seronegative spondyloarthropathies, rheumatic disorders, metabolic and endocrine bone diseases, trauma, and both primary tumors and metastasis can be effectively and specifically examined. By improving sensitivity, many false negative readings can be avoided in early bone metastasis, synovitis, anthesopathies, bone contusion, and the like.

A well-illustrated, systems-based primer on learning radiologic imaging *Basic Radiology* is the easiest and most effective way for medical students, residents, and clinicians not specializing in radiologic imaging to learn the essentials of diagnostic test selection, application, and interpretation. This trusted guide is unmatched in its ability to teach you how to select and request the most appropriate imaging modality for a patient's presenting symptoms and familiarize yourself with the most common diseases that current radiologic imaging can best evaluate. Features: More than 800 high-quality images across all modalities A logical organ-system approach Consistent chapter presentation that includes: ---Recap of recent developments in the radiologic imaging of the organ system discussed ---Description of normal anatomy ---Discussion of the most appropriate imaging technique for evaluating that organ system ---Questions and imaging exercises designed to enhance your understanding of key principles Brief list of suggested readings and general references Timely chapter describing the various diagnostic imaging techniques currently available, including conventional radiography, nuclear medicine, ultrasonography, computed tomography, and magnetic resonance imaging An important chapter providing an overview of the physics of radiation and its related biological effects, ultrasound, and magnetic resonance imaging

Over 3,800 exquisite images demonstrate every principle and capture the characteristic presentations of the most frequently encountered disorders. The result is a remarkably thorough, yet focused and pragmatic, source of clinical guidance. The New Edition updates and distills all of the most important content from Dr. Donald Resnick's 5-volume *Diagnosis of Bone and Joint Disorders*, 4th Edition into a single, concise source. Together with new co-editor Mark J. Kransdorf, MD, Dr. Resnick and 38 other distinguished experts zero in on the specific, state-of-the-art musculoskeletal imaging and interpretation knowledge practitioners need today. Provides 2,900 outstanding images that depict all important concepts, techniques, and findings. Represents a highly efficient review source for oral and written radiology examinations, as well as an indispensable reference tool for clinical practice. Covers hot topics such as spinal interventional procedures · cartilage imaging · disorders of muscle · diagnostic ultrasonography · internal derangement of joints · target-area approach to articular disorders · rheumatoid arthritis and related diseases · crystal-induced diseases · sports injuries · MR arthrography · and much more. Offers an increased emphasis on MR imaging, an increasingly important and versatile diagnostic modality. Presents many new illustrations not found in the *Diagnosis of Bone and Joint Disorders*, 4th Edition 5-volume set.

This invaluable and well-presented text brings together previously fragmented or incompletely elucidated data on the impressive recent advances in orthopedic nuclear medicine. The book begins by acquainting the readers with various anatomic, physiologic, pathologic and technical concepts crucial to understanding orthopedic nuclear medicine and its utilization in clinical practice. Subsequent chapters detail the diagnosis of skeletal infections, trauma, vascular disorders, metabolic and neoplastic bone diseases, soft tissue calcifications and joint disorders. A separate section is devoted to the use of radionuclides in the treatment of bone and joint diseases. A unique feature of this richly illustrated volume is its comprehensive and clinically oriented approach. The book will prove invaluable to all with an interest in diagnostic and therapeutic orthopedics, including radiologists, orthopedists, rheumatologists, pediatricians, other clinicians and nuclear medicine professionals.

Orthopedic devices improve the quality of life of millions of people, and show up on radiographs and cross-sectional imaging studies daily. This text will familiarise radiologists with the indications, applications, potential complications, and radiologic evaluation of many medical devices. The book offers a complete discussion of fracture fixation, joint arthroplasty, and orthopedic apparatus of the neck and spine, including the cervical, thoracic, and lumbar spine. It also provides detailed overviews of devices used for common dental disease, covers the general principles applicable to complications of orthopedic devices, foreign body ingestions, insertions and injuries, and details quality assurance issues concerning the manufacture and distribution of devices. Featuring a large gallery of apparatus for reference, an extensive glossary of terms and a list of manufacturers, Radiologic Guide to Orthopedic Devices is an essential resource for radiologists, orthopedists and emergency medicine physicians. Regular updates to the topics covered will be available on <http://www.medapparatus.com>.

Effectively perform and interpret musculoskeletal ultrasound with this concise, highly illustrated resource by Jon A. Jacobson, MD. Fully revised, this bestselling title covers all the essential details of musculoskeletal ultrasound imaging, providing a solid understanding of the technique and how to make accurate diagnoses. It takes a concise, clear, and step-by-step approach to all of the most common musculoskeletal ultrasound applications, with specific details on anatomy, patient positioning, scanning techniques, normal and abnormal findings, tips, and pitfalls. A succinct, highly accessible writing style makes information easy to understand. Common percutaneous ultrasound-guided musculoskeletal procedures are demonstrated, including transducer and needle positioning. Reader-friendly lists, tables, and images make reference quick and easy. Nearly 400 new ultrasound images show scanning technique, anatomy, and essential pathology. Newly revised information throughout helps you grasp essential concepts in diagnostic musculoskeletal ultrasound, ultrasound-guided musculoskeletal procedures, and much more. Thoroughly revised text, references, and images keep you up to date.

This book, written by authors with national and international reputations in the field, covers all aspects of radionuclide and hybrid bone imaging. Introductory sections present the basic science and consider the current status and limitations of conventional radiological techniques. The underlying principles of PET-CT and SPECT-CT are carefully explained, and the value of different PET and SPECT tracers, assessed. The role of single- and dual-modality approaches in the imaging of benign bone diseases and malignancies is then discussed in detail in a series of well-illustrated chapters. The pathologies addressed include metabolic bone disease, arthritis, bone and joint infections, primary bone and soft tissue tumors, and metastases from breast and prostate cancer. A further section considers the role of bone scintigraphy in the pediatric patient, and the closing chapters focus on miscellaneous subjects, including bone densitometry and radionuclide targeted therapy.

This book is an indispensable reference for pediatric and musculoskeletal radiologists, as well as orthopedic surgeons. It offers in depth analysis of pediatric orthopedic imaging, covering normal and aberrant development as well as both common and unusual pediatric disorders. Chapters on the spine, shoulder, elbow, hand and wrist, hip and pelvis, lower extremity, and foot and ankle address site-specific congenital and acquired lesions. Subsequent chapters cover generalized orthopedic diseases such as neurofibromatosis and osteogenesis imperfecta, infectious processes, neuromuscular diseases, musculoskeletal tumors, trauma, and orthopedic procedures. The chapters review associated epidemiology, clinical presentation and evolution, treatment, and differential diagnoses, with in-depth analysis of imaging characteristics. With more than 1800 images, high-quality MRI, CT, and US examples complement the radiographs of a broad variety of musculoskeletal disorders.

Imaging technology plays an essential role in the diagnosis of soft tissue tumors as well as in surgical planning. Not only can imaging studies such as CT and MRI determine the relationship between a tumor and adjacent vessels and nerves, but, because some soft tissue tumors possess specific radiologic presentations, imaging can help pinpoint the tumor type. Based on cases seen at the Armed Forces Institute of Pathology and the Mayo Clinic, this comprehensive reference offers detailed visually supported information on the radiologic evaluation of soft tissue tumors and tumor-like lesions. Inside, readers will explore the full spectrum of soft tissue pathologies, with over 1400 images that highlight both common and atypical presentations. The book's expert authors offer valuable advice on selecting the most appropriate imaging modality for each tumor type.

Now in two volumes, the Third Edition of this standard-setting work is a state-of-the-art pictorial reference on orthopaedic magnetic resonance imaging. It combines 9,750 images and full-color illustrations, including gross anatomic dissections, line art, arthroscopic photographs, and three-dimensional imaging techniques and final renderings. Many MR images have been replaced in the Third Edition, and have even greater clarity, contrast, and precision.

Publisher's Note: Products purchased from 3rd Party sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. Perfect for residents to use during rotations, or as a quick review for practicing radiologists and fellows, Musculoskeletal Imaging: The Essentials is a complete, concise overview of the most important knowledge in this complex field. Each chapter begins with learning objectives and ends with board-style questions that help you focus your learning. A self-assessment examination at the end of the book tests your mastery of the content and prepares you for exams.

This book is unique. It will guide you through the essentials of musculoskeletal imaging using a multimodality approach. Organized by categories of musculoskeletal disorders, it uses a "findings within-the-image" method to help you identify the typical imaging features of each condition. As a comprehensive reference compiled by well-known specialists in the field, it is useful for both practicing radiologists and those in training. Focus on the essentials Provides a solid foundation of what the radiologist needs to know when interpreting musculoskeletal imaging studies, including the indications for when to use various imaging modalities. "Findings within the image" An excellent presentation method for learning to interpret bone and joint images. Find it quickly In addition to a detailed text and high-quality images, important points are summarized in boxes, tables, and illustrative figures for quick reference. Extra features are included on the Thieme MediaCenter An additional 338 images along with supplemental text and references are provided online on the Thieme MediaCenter. Special Features All chapters are written by leading international authors. A comprehensive, multimodality approach is used. Over 2100 brilliant, state-of-the-art images are provided, including a multitude of MR images.

Due to the multitude of bone and joint disorders and their symptomatic similarities, establishing a differential diagnosis is often problematic in daily practice. This book offers invaluable help by showing the diagnostic effectiveness of multimodality imaging across the entire spectrum of bone and joint disorders. Each clinical entity is presented as a unit, with succinct text on the left and high-quality, labeled images on the right. A consistent structure featuring pathology, clinical findings, radiology, nuclear medicine, MRI, and differential diagnosis offers quick access to the information you need for any given bone, joint, or soft tissue disease. More than 1,300 high-quality radiologic images and two-color drawings that allow you to visualize each disorder. Key information presented in just 404 pages, saving you the time and inconvenience of wading through large texts. Useful tables summarizing radiologic findings for each disorder. All-inclusive

coverage, with in-depth treatment of such important areas as trauma.

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. A complete introductory text to musculoskeletal imaging Basic Musculoskeletal Imaging is an engagingly written, comprehensive textbook that addresses the fundamental principles and techniques of general diagnostic and advanced musculoskeletal imaging. In order to be as clinically relevant as possible, the text focuses on the conditions and procedures most often encountered in real-world practice, such as: Upper and lower extremity trauma Axial skeletal trauma Arthritis and infection Tumors Metabolic bone diseases Bone infarct and osteochondrosis Shoulder, knee, spine, elbow, wrist, hip, and ankle MRI You will also find authoritative coverage of: Signs in musculoskeletal imaging The key concepts of using different modalities in musculoskeletal imaging Current advances in musculoskeletal scintigraphy The book is enhanced by superb figures and illustrations, including a four-page full-color insert; "Pearls" that summarize must-know information; and an outstanding introduction to musculoskeletal ultrasound by international experts from France and Brazil.

This reference book provides instructions for special radiographic positions and projections needed to image orthopaedic pathology. Thorough coverage of all joints and body parts that require special radiographic positions is included, as well as reference information on fractures, orthopaedic hardware, and arthritides. This clear and concise guide is supplemented with line drawings and is organized by both anatomy and position name. A Volume in the Saunders Contemporary Imaging Techniques Series

This open access book focuses on imaging of the musculoskeletal diseases. Over the last few years, there have been considerable advances in this area, driven by clinical as well as technological developments. The authors are all internationally renowned experts in their field. They are also excellent teachers, and provide didactically outstanding chapters. The book is disease-oriented and covers all relevant imaging modalities, with particular emphasis on magnetic resonance imaging. Important aspects of pediatric imaging are also included. IDKD books are completely re-written every four years. As a result, they offer a comprehensive review of the state of the art in imaging. The book is clearly structured with learning objectives, abstracts, subheadings, tables and take-home points, supported by design elements to help readers easily navigate through the text. As an IDKD book, it is particularly valuable for general radiologists, radiology residents, and interventional radiologists who want to update their diagnostic knowledge, and for clinicians interested in imaging as it relates to their specialty. .

Featuring over 1,700 large-size illustrations and unique, effective pedagogy, the Fourth Edition of Dr. Greenspan's best-seller is the ideal teaching text on musculoskeletal imaging for radiologists and orthopedists at every level of training. It covers all orthopedic problems and imaging modalities and offers indispensable guidance on selecting cost-effective imaging techniques. This edition includes new illustrations of MRI, digital radiography, 3-D CT, and other advanced imaging methods and new information on fat suppression techniques in MR imaging. Also included are additional differential diagnosis tables, new tables summarizing salient features of disorders, and improved illustration captions beginning with the diagnosis in boldface.

Interpret diagnostic images accurately with Diagnostic Radiology and Ultrasonography of the Dog and Cat, 5th Edition. Written by veterinary experts J. Kevin Kealy, Hester McAllister, and John P. Graham, this concise guide covers the principles of diagnostic radiology and ultrasonography and includes clear, complete instruction in image interpretation. It illustrates the normal anatomy of body systems, and then uses numbered points to describe radiologic signs of abnormalities. It also includes descriptions of the ultrasonographic appearance of many conditions in dogs and cats. Updated with the latest on digital imaging, CT, MR, and nuclear medicine, and showing how to avoid common errors in interpretation, this book is exactly what you need to refine your diagnostic and treatment planning skills! Hundreds of detailed radiographs and ultrasonograms clearly illustrate principles, aid comprehension, and help you accurately interpret your own films. The normal anatomy and appearance for each body system is included so you can identify deviations from normal, such as traumatic and pathologic changes. Coverage of the most common disorders associated with each body system help you interpret common and uncommon problems. Coverage of radiographic principles and procedures includes density, contrast, detail, and technique, so you can produce the high-quality films necessary for accurate diagnosis. Clinical signs help you arrive at a clinical diagnosis. An emphasis on developing a standardized approach to viewing radiographs and ultrasonograms ensures that you do not overlook elements of the image that may affect proper diagnosis. Complete coverage of diagnostic imaging of small animals includes all modalities and echocardiography, all in a comprehensive, single-source reference. Discussions of ultrasound-guided biopsy technique help you perform one of the most useful, minimally invasive diagnostic procedures. Single chapters cover all aspects of specific body compartments and systems for a logical organization and easy cross-referencing. Coverage of different imaging modalities for individual diseases/disorders is closely integrated in the text and allows easier comprehension. A consistent style, terminology, and content results from the fact that all chapters are written by the same authors.

An increasing percentage of the population has at least one prosthetic joint. Imaging is required for both initial assessment and routine follow-up of the implant, and this book is intended as an informative and up-to-date guide to the subject. After an introductory section covering a range of background topics, the level of information offered by different imaging techniques in presurgical planning and postimplantation assessment is analyzed. The application of imaging to different joints is then carefully explored in chapters devoted to the foot and ankle, hip, knee, shoulder, and elbow, wrist and hand. In addition, two innovative chapters focus on periprosthetic DXA as the gold standard in monitoring implant survival and on the role of drug therapy in helping to ensure the durability of the prosthesis. A central feature of the book is its combination of the clinical and radiological perspectives; it will be of value to radiologists and orthopedic specialists, as well as residents in these disciplines.

Fully updated new edition covering all aspects of bone and joint diseases in one easily readable volume. Color illustrations throughout.

Providing radiologists, orthopedic surgeons, and other clinicians with an up-to-date review of imaging of the musculoskeletal system, this book begins by discussing the various imaging techniques, with particular attention to their advantages and disadvantages. The second part then documents the application of these techniques to the clinical problems and diseases encountered in specific anatomical regions. Each chapter is written by an acknowledged expert in the field, and includes a wealth of illustrative material.

This superbly illustrated book is designed to meet the demand for a comprehensive yet concise source of information on temporomandibular joint (TMJ) imaging that covers all aspects of TMJ diagnostics. After introductory chapters on anatomy, histology, and the basics of radiological imaging, detailed guidance is provided on the use and interpretation of radiography, CT, CBCT, ultrasound, MRI, and nuclear medicine techniques. Readers will find clear presentation of the imaging findings in the full range of TMJ pathologies, from intrinsic pathological processes to invasion by lesions of the temporal bone and mandibular condyle. Careful attention is also paid to the technical issues confronted when using different imaging modalities, and the means of resolving them. The role of interventional radiology is examined, and consideration given to the use of arthrography and arthrography-guided steroid treatment. In addition, an overview of recent advances in research on TMJ diagnostics is provided. Imaging of the Temporomandibular Joint has been written by an international team of dedicated authors and will be of high value to clinicians in their daily practice.

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