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Musculoskeletal and Metabolic Bone Diseases in the Elderly

Part of the Colour Guides series, this text is concerned with rheumatology. The topics covered include rheumatoid arthritis and allied conditions, systemic connective tissue disorders, rheumatic manifestations of systemic conditions and metabolic bone disease.


Rheumatologic Manifestations of Endocrine Disease - Joseph Markenson - 2010

This comprehensive issue of the Rheumatic Disease Clinics of North America provides the latest information on the intersection between endocrinology and rheumatology, and explores rheumatologic manifestations of endocrine disease. Topics covered include thyroid disease (hyperthyroid, hypothyroid, chronic autoimmune thyroiditis, and thyroid disorders in patients with connective tissue diseases such as RA, Sjögren's Syndrome, sclerodermia, juvenile RA, and hemochromatosis); parathyroid disease (hyperparathyroid, hypoparathyroid, rheumatic complaints associated with metabolic bone disease such as osteoporosis, osteomalacia, and renal osteodystrophy); diabetes mellitus (rheumatic manifestations of metabolic syndrome, diffuse idiopathic hyperostosis, carpal tunnel syndrome, adhesive capsulitis, flexor tenosynovitis, and Dupuytren's contracture); adrenal disorders (Addison's Disease and Cushing's Syndrome); disorders of the pituitary gland (acromegaly and hypothyroidism); and pregnancy.

Clinical Foundations of Musculoskeletal Medicine - Robert J. Esther - 2021-07-22

Musculoskeletal (MSK) disorders have a high prevalence and are one of the main reasons for patients to consult with a provider. For a range of issues from injury to back pain to rheumatic disease, musculoskeletal pathology is the second most common reason for a patient to see a primary care provider. However, despite their prevalence and significant socioeconomic impact, musculoskeletal disorders are relatively undertaught in medical schools in the United States. While medical, nursing and physician assistant students receive exposure to some MSK content, in many medical schools this material does not receive curricular exposure commensurate with its prevalence. This practical textbook fills in that gap. All aspects of musculoskeletal disease and its management are presented concisely for quick reference and review, with each chapter opening with clear goals and objectives. The text begins with a discussion of the anatomy and physiology of bone, cartilage and muscle, including imaging techniques and interpretation. Musculoskeletal infections, tumors and vascular conditions are then covered, along with common rheumatic conditions such as rheumatoid and osteoarthritis, metabolic bone disease, and age-specific and traumatic conditions. Finally, the upper and lower extremity and spine are thoroughly discussed in terms of anatomy/pathoanatomy, common clinical conditions, physical exam, and common radiographic and clinical correlations. The main audience for Clinical Foundations of Musculoskeletal Medicine is medical students seeking to improve their understanding of common musculoskeletal conditions. Given the relevance of musculoskeletal conditions to a range of providers, this book can also be used for the musculoskeletal education of allied professionals such as physician assistants (PA) and nurse practitioner students. It could likewise serve as a resource for practicing medical professionals to develop and enhance their knowledge in this content area.

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Oxford Textbook of Rheumatology - Philip Conaghan - 2013-10

A strong clinical emphasis is present throughout this volume from the first section of commonly presenting problems through to the section addressing problems shared with a range of other clinical sub-specialties.

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Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism - - 2018-12-06

The authoritative reference to bone diseases and disorders of mineral metabolism, revised and updated Now in its ninth edition, The Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism offers an updated and comprehensive guide to bone and mineral health. Since it was first published 30 years ago, the Primer has become the leading reference on the topic. With contributions from noted experts, the text explores basic biological factors of healthy development and disease states and makes the information accessible for clinical interventions. The ninth edition provides concise coverage of the widest possible spectrum of metabolic bone diseases and disorders of mineral metabolism. The new edition of this invaluable reference expands coverage and includes the most recent developments in the field that help to strengthen its usefulness and ensure that the Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism maintains its place as the pre-eminent reference on bone and mineral health. This vital resource: Provides the most accurate, up-to-date evidence-based information on basic and clinical bone science Includes more than 10 new chapters and contributions from 300 authors from wide-ranging international research centers Captures the very cutting edge of research covering mineral homeostasis, osteoporosis and other metabolic bone diseases, skeletal measurement technologies, and genetics Presents a new companion website with useful supplementary materials at www.asbmrprimer.com Written for advanced students, clinicians, and researchers working in the field of bone health and disease, Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism is the definitive, one-stop reference for anyone working in the field of bone health and disease.

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Bone Health and Osteoporosis - United States Public Health Service - 2004-12-01

This first-ever Surgeon General's Report on bone health and osteoporosis illustrates the large burden that bone disease places on our Nation and its citizens. Like other chronic diseases that disproportionately affect the elderly, the prevalence of bone disease and fractures is projected to increase markedly as the population ages. If these predictions come true, bone disease and fractures will have a tremendous negative impact on the future well-being of Americans. But as this report makes clear, they need not come true: by working together we can change the picture of aging in America. Osteoporosis, fractures, and other chronic diseases no longer should be thought of as an inevitable part of growing old. By focusing on prevention and lifestyle changes, including physical activity and nutrition, as well as early diagnosis and appropriate treatment, Americans can avoid much of the damaging impact of bone disease and other chronic diseases. This Surgeon General's Report brings together for the first time the scientific evidence related to the prevention, assessment, diagnosis, and treatment of bone disease. More importantly, it provides a framework for moving forward. The report will be another effective tool in educating Americans about how they can promote bone health throughout their lives. This first-ever Surgeon General's Report on bone health and osteoporosis provides much needed information on bone health, an often overlooked aspect of physical health. This report follows in the tradition of previous Surgeon Generals' reports by identifying the relevant scientific data, rigorously evaluating and summarizing the evidence, and determining conclusions.

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Bone is hard tissue that is in a constant state of flux being built up by bone-forming cells called osteoblasts while also being broken down or resorbed by cells known as osteoclasts. During childhood and adolescence bone formation is dominant; bone length and girth increase with age ending at early adulthood when peak bone mass is attained. Males generally exhibit a longer growth period resulting in bones of greater size and overall strength. In males after the age of 20 bone resorption becomes predominant and bone mineral content declines about 4% per decade. Females tend to maintain peak mineral content until menopause at which time it declines about 15% per decade. Osteoporosis is a disease characterized by low bone mass and structural deterioration of bone tissue leading to bone fragility and an increased susceptibility to fractures especially of the hip spine and wrist. Osteoporosis occurs primarily as a result of normal ageing but can arise as a result of impaired development of peak bone mass (e.g. due to delayed puberty or undernutrition) or excessive bone loss during adulthood (e.g. due to estrogen deficiency in women undernutrition or corticosteroid use). Osteoporosis-induced fractures cause a great burden to society. Hip fractures are the most serious as they nearly always result in hospitalization and are fatal about 20% of the time and produce permanent disability about half the time. Fracture rates increase rapidly with age and the lifetime risk of fracture in 50 year-old women is about 40% similar to that for coronary heart disease. In 1990 there were 1.7 million hip fractures alone worldwide; with changes in population demographics this figure is expected to rise to 6 million by 2050. To help describe the nature and consequences of osteoporosis as well as strategies for its prevention and management a WHO Scientific Group meeting of international experts was held in Geneva which resulted in this technical report. This monograph describes in detail normal bone development and the causes and risk factors for developing osteoporosis. The burden of osteoporosis is characterized in terms of mortality morbidity and economic costs. Methods for its prevention and treatment are discussed in detail for both pharmacological and non-pharmacological approaches. For each approach the strength of the scientific evidence is listed. The report also provides cost-analysis information for potential interventions and discusses important aspects of developing national policies to deal with osteoporosis. Recommendations are made to the general population care providers health administrators and researchers. Lastly national organizations and support groups are listed by country.

Combined Scintigraphic and Radiographic Diagnosis of Bone and Joint Diseases - Yong W. Bahk - 2013-06-29

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, anthesiopathies, bone contusion, and the like.

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Current texts in rheumatology are very detailed and designed specifically for rheumatology physicians, residents and trainees. There are few up-to-date books specifically geared towards the primary care practitioners in the rheumatology, metabolic bone disease, 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, arthropathies, bone contusion, and the like.

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**Rheumatology for Primary Care Providers** - Yousaf Ali - 2012-07-22

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Disabled workers might also receive benefits from other public programs such as workers' compensation, which provides disability benefits to people (under the full retirement age) who are no longer able to work because of a disabling medical condition. SSI provides income assistance for disabled, blind, and aged people who have limited income and resources regardless of their prior participation in the labor force. Both programs share a common disability determination process administered by SSA and state agencies as well as a common definition of disability for adults: "the inability to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment which can be expected to result in death or which has lasted or can be expected to last for a continuous period of not less than 12 months." Disabled workers might receive either SSDI benefits or SSI payments, or both, depending on their recent work history and current income and assets. Disabled workers might also receive benefits from other public programs such as workers' compensation, which insures against work-related illness or injuries occurring on the job, but those other programs have their own definitions and eligibility criteria. Selected Health Conditions and Likelihood of Improvement with Treatment identifies and defines the professionally accepted, standard measurements of outcomes improvement for medical conditions. This report also identifies specific, long-lasting medical conditions for adults in the categories of mental health disorders, cancers, and musculoskeletal disorders. Specifically, these conditions are disabling for a length of time, but typically don't result in permanently disabling limitations; are responsive to treatment; and after a specific length of time of treatment, improve to the point at which the conditions are no longer disabling.

ABC of Rheumatology - Ade Adebajo - 2018-03-14
ABC of Rheumatology continues to be a practical and informative guide to the assessment, treatment and management of common rheumatic and musculoskeletal conditions within primary care. Fully updated to reflect developments in this fast growing field, the fifth edition covers overviews of all key areas of rheumatology, and includes new chapters on radiology and immunology, as well as expanded coverage on metabolic bone disease, chronic widespread pain, and complex regional pain syndrome. Featuring highly illustrated chapters, boxed summaries and links to further resources, ABC of Rheumatology is an accessible reference for all primary care health professional, general practitioners, family physicians, junior doctors, medical students and nurses.

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Pathology: The Big Picture - William Kemp - 2007-08-22
Get the BIG PICTURE of Pathology - and focus on what you really need to know to score high on the course and board exam If you want a streamlined and definitive look at Pathology - one with just the right balance of information to give you the edge at exam time - turn to Pathology: The Big Picture. You'll find a succinct, user-friendly presentation especially designed to make even the most complex concept understandable in the shortest amount of study time possible. This perfect pictorial and textual overview of Pathology delivers: A "Big Picture" emphasis on what you must know versus "what's nice to know" Expert authorship by award-winning, active...
Principles to practical clinical management strategies, all in a user-friendly, accessible manner.

Genetic disorders to inflammation to diseases of immunity Magnificent 4-color illustrations Numerous summary tables and figures for quick reference and rapid retention of even the most difficult topic Highlighted key concepts that underscore integral aspects of pathology (key concepts are also listed in a table at the end of each chapter) USMLE-type questions, answers, and explanations to help you anticipate what you’ll encounter on the exams And much more!

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Immunobiology of Osteoarticular Diseases - Erminia Mariani - 2021-07-02
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Best of Five MCQs for the Rheumatology SCE - Sonya Abraham - 2020-10-29
Best of Five MCQs for the Rheumatology SCE is a new revision guide designed specifically for this high-stakes exam. It contains 300 best of five questions with explanatory answers, each accurately reflecting the layout of questions in the exam. The book is divided into three exam papers for trainees to test themselves, providing a thorough assessment of the candidate's rheumatology knowledge and covering all the main themes of the exam, for example, inflammatory arthritis, vasculitis, connective tissue disorders, metabolic and bone disease, osteoarthritis, soft tissue disorders, infections, and paediatric and adolescent rheumatology. The explanatory answers include references to guidelines and other sources to enable candidates' further reading and study. Providing high-quality questions and expert guidance, this resource is a comprehensive revision tool for senior rheumatology trainees preparing for postgraduate exams.

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Rheumatology E-Book - Marc C. Hochberg - 2018-01-08
Thoroughly revised and updated, the 7th Edition of Rheumatology remains a leading text in this fast-changing field, keeping you abreast of recent advances in medications, therapies, clinical trials, and much more. Dr. Mark Hochberg and his team of expert authors and editors cover everything you need to know - from basic scientific principles to practical clinical management strategies, all in a user-friendly, accessible manner.

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Pediatric Rheumatology - Sujata Sawhney - 2016-11-26
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preview of each topic explaining just what modern imaging can do to help the clinicians diagnose and manage the common problems. Includes summaries, algorithms, and full-color illustrations that aid in diagnosis and treatment. Features a new trans-Atlantic editorial team as well as new contributors. Provides new sections on principles of management, including NSAIDS, Systemic corticosteroids, and alternative and complimentary medicine · pediatric rheumatology · and metabolic bone disease. Includes an introductory overview of the scientific basis of rheumatic disease.

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**Medical Treatment: a Textbook of Therapy: Rheumatic diseases; skeletal diseases; endocrine disorders; corticotrophin and the adrenal corticosteroids; electrolyte and water metabolism; renal disease; metabolic disorders; acute poisoning** - Kenneth MacLean - 1970

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**Gamma Images in Benign and Metabolic Bone Diseases** - - 1981

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**Metabolic Bone Disease in Children** - Salvador Castells - 1990

**Metabolic Bone Disease in Children** - Salvador Castells - 1990

**Imaging in Rheumatology** - David Alan Isenberg - 2003
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**TEXTBOOK OF DISORDERS AND INJURIES OF THE MUSCULOSKELETAL SYSTEM : AN INTROD. TO ORTHOPEDICS, RHEUMATOLOGY, METABOLIC BONE DISEASE, REHABILITATION AND FRAC.** - Robert Bruce Salter - 1970

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**Textbook of Diabetes** - Richard I. G. Holt - 2017-03-06
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Now in its fifth edition, the Textbook of Diabetes has established itself as the modern, well-illustrated, comprehensive and multi-media clinical resource to consult time and time again.

Oxford Handbook of Rheumatology - Alan Hakim - 2011-09-22
Extensively revised and fully updated, this new edition of the Oxford Handbook of Rheumatology provides everything you need to understand the wide range of rheumatic conditions. Including the latest guidelines and the most up-to-date information, this is the indispensable guide for students, trainees, consultant rheumatologists, and everyone dealing with patients with musculoskeletal disease. Rheumatic conditions are common in both general and hospital practice; a primary feature of many multi-system illnesses, and in the context of injury, age-related change, and psychological distress. This handbook provides practical advice, guidance, and key clinical facts to help you provide the best care for your patients. Practically structured, the handbook focuses first on presenting symptoms, and then considers key diseases, emergencies, and rare diseases in more detail, finishing with a biological therapy. It provides practical guidelines on the management and diagnosis of patients with acute and chronic musculoskeletal disease. Colour plates and line drawings are present throughout along with tables of key information. Taking a clinical, evidence-based approach, written by experts, and presented in a clear, practical, bullet-point style for rapid reference, this handbook will be your constant companion and a joy to use.

Pathology of Bone and Joint Disorders Print and Online Bundle - Edward F. McCarthy - 2014-11-20

University of Iowa Family Practice Handbook: Rheumatology and Orthopedics - -
Prepresents the full-text, online version of chapter six of the “Family Practice Handbook” of the University of Iowa, located in Iowa City. Notes that the chapter is entitled “Rheumatology and Orthopedics.” Explains that the “Handbook” is part of the Virtual Hospital Web site of the University. Includes information about rheumatoid arthritis, osteoarthritis, chondrocalcinosis, ankylosing spondylitis, metabolic bone disease, systemic lupus erythematosus, low back pain, Lyme disease, orthopedic injuries, fractures, septic arthritis, overuse, stress fractures, and medical clearance for sports participation. Contains a bibliography. Links to the title page of the “Handbook” and the home page of the Virtual Hospital.

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