parameters, knowledge of which permits scientifically based decision making. The authors of this second edition of Radiation Exposure and Image Quality in X-ray Diagnostic Radiology have spent many years studying the optimization of radiological imaging. In this book they present in detail the basic physical principles of diagnostic radiology and their application to clinical problems. Particular attention is devoted to evaluation of the dose to the patient, the influence of scattered radiation on image quality, the use of antiscatter grids, and optimization of image quality and dose. The final section is a supplement containing tables of data and graphical depictions of X-ray spectra, interaction coefficients, characteristics of X-ray beams, and other aspects relevant to patient dose calculations. In addition, a complementary CD-ROM contains a user-friendly Excel file database covering these aspects that can be used in the reader’s own programs. Since the first edition, the text, figures, tables, and references have all been thoroughly updated, and more detailed attention is now paid to image quality and radiation exposure when using digital imaging and computed tomography. This book will be an invaluable aid to medical physicists when performing calculations relating to patient dose and image quality, and will also prove useful for diagnostic radiologists and engineers.

More on www.springer.com/978-3-642-11240-9

Evidence-Based Procedural Dermatology

In Evidence-Based Procedural Dermatology, Dr. Alam has compiled the subspecialty’s latest research findings in a reference for researchers and dermatologists. It covers the spectrum of procedural dermatology, including skin cancer surgery, laser techniques, fillers and neurotoxins, minimally invasive cosmetic surgery, and emerging procedures. Leading experts present and evaluate evidence in each subfield, providing a solid manual for the present, and a guide for research in the future.

Features:
- A numerical system to appraise research findings used throughout the book
- Question and answer section to reinforce knowledge at the end of each chapter
- Serves as a tutorial for those interested in performing clinical research
- Holds practical value for dermatologists who are treating or counseling patients.

More on www.springer.com/978-0-387-09423-6

Practical Issues in Anesthesia and Intensive Care

This book, written in a straightforward and easy-to-read style, focuses on important and debated current issues in anesthesiology and critical care medicine. The topics considered are wide ranging - particular attention is devoted to general topics of importance to the practitioner such as sedation, sedoanalgesia, diuretics and other drugs correct use, but specific controversial issues, such as the role of goal-directed hemodynamic therapy, or acute liver failure in intensive care, are also addressed. All of the authors are recognized experts on the subjects they discuss, and will be an important resource not only for anesthesiologists but also for all those wishing to be updated on this topic.


The Neurologic Diagnosis

A Practical Bedside Approach

The Neurologic Diagnosis: A Practical Bedside Approach is an introductory text that simplifies the often unwieldy method of making a neurologic diagnosis. Medical students are often intimidated by
a deluge of data, extensive differential diagnoses, and have no organizational structure to follow. Diagnostic techniques of general medicine are not applicable. Neurology is a unique specialty since it requires the intermediary step of an anatomic diagnosis prior to proffering a differential diagnosis. Yet the required knowledge of neuroanatomy need not be profound for the student who will specialize in any field other than neurology and neurosurgery. This text is directed to medical students and residents who will all be regularly faced with numerous patients who have neurologic symptomatology. Typical one-month neurology rotations out of four years of medical school is clearly inadequate training to make a cogent neurologic diagnosis, especially since subsequent instruction is commonly provided by upper level residents who have the same background and numerous misconceptions. This is not a comprehensive text. The emphasis in this concise and practical title is on establishing a neuroanatomic diagnosis before formulating a differential diagnosis. In addition, treatment is seldom discussed since it is likely to change radically over time. Focused and succinct, The Neurologic Diagnosis: A Practical Bedside Approach is an invaluable resource for medical students and residents interested in the practice of neurological diagnosis. More on www.springer.com/978-1-4419-6723-7

Usually dispatched within 3 to 5 business days.

2012. XVII, 297 p. 46 illus., 34 in color. Softcover
978-1-4419-6723-7
►39,95 €

G.J. Anderson, The Queensland Institute of Medical Research, Brisbane, QLD, Australia; G.D. McLaren, University of California Irvine, Long Beach, CA, USA (Eds.)

Iron Physiology and Pathophysiology in Humans

Iron Physiology and Pathophysiology in Humans provides health professionals in many areas of research and practice with the most up-to-date and well-referenced volume on the importance of iron as a nutrient and its role in health and disease. This important new volume is the benchmark in the complex area of interrelationships between the essentiality of iron, its functions throughout the body, including its critical role in erythropoiesis, the biochemistry and clinical relevance of iron-containing enzymes and other molecules involved in iron absorption, transport and metabolism, the importance of optimal iron status on immune function, and links between iron and the liver, heart, brain and other organs. Moreover, the interactions between genetic and environmental factors and the numerous co-morbidities seen with both iron deficiency and iron overload in populations at risk are clearly delineated so that students as well as practitioners can better understand the complexities of these interactions. Key features of the volume include an in-depth index and recommendations and practice guidelines are included in relevant chapters. The volume contains more than 100 detailed tables and informative figures and up-to-date references that provide the reader with excellent sources of information about the critical role of iron nutrition, optimal iron status and the adverse clinical consequences of altered iron homeostasis. Iron Physiology and Pathophysiology in Humans is an excellent new text as well as the most authoritative resource in the field. More on www.springer.com/978-1-60327-484-5

Usually dispatched within 3 to 5 business days.

2012. XXII, 703 p. 99 illus. (Nutrition and Health) Hardcover
978-1-60327-484-5
►199,95 €

M.S. Badr, Wayne State University, Detroit, MI, USA (Ed.)

Essentials of Sleep Medicine

An Approach for Clinical Pulmonology

Sleep disorders represent a major portion of the chief complaints seen by pulmonologists and other physicians. Sleep apnea and hypopnea syndrome for example, are common disorders with significant adverse health consequences. Sleep apnea is associated with increased cardiovascular mortality, impaired quality of life and increased motor vehicle accidents. In addition, sleep apnea often co-exists with other chronic conditions including obesity, the metabolic syndrome, and tobacco use disorder. Patients with sleep-related conditions often present with non-specific complaints that require a broad and detailed knowledge of the wide range of sleep disorders. In Essentials of Sleep Medicine: An Approach for Clinical Pulmonology, a concise, evidence-based review of sleep medicine for the pulmonologist is presented. Providing a focused, scientific basis for the effects of sleep on human physiology, especially cardiac and respiratory physiology, chapters also outline a differential diagnosis for common sleep complaints and an evidence-based approach to diagnosis and management. This includes a review of the current standards of practice and of emerging technology and unresolved issues awaiting further research. Each chapter includes a summary of current research and outlines future research directions and issues. In all, Essentials of Sleep Medicine: An Approach for Clinical Pulmonology provides a clear diagnostic and management program for all the different sleep disorders, with a major focus on respiratory disorders of sleep, and includes key points and summaries. Developed by an international group of renowned authors, Essentials of Sleep Medicine: An Approach for Clinical Pulmonology is an invaluable resource for pulmonologists, respiratory care practitioners, polysomnographic technologists, graduate students, clinical researchers, and other health professionals seeking an in-depth review of sleep medicine. More on www.springer.com/978-1-60761-734-1

Usually dispatched within 3 to 5 business days.

2012. XI, 416 p. 29 illus., 14 in color. (Respiratory Medicine) Hardcover
978-1-60761-734-1
►179,95 €

Forthcoming

A. Bailey, Spaulding Rehabilitation Hospital, Boston, MA, USA; C. Bernstein, Arnold Pain Management Center, Brookline, MA, USA (Eds.)

Pain in Women

Pain is a complex experience, influenced by many variables. There is currently growing interest in the influence of sex and gender on the experience of pain. The fact that there are sex differences in pain and analgesia is now a well-recognized phenomenon within the field of pain medicine. However, the specific mechanisms underlying these differences remain somewhat poorly understood. Traditionally, these sex differences in pain experience have been attributed largely to psychological, behavioral, and socio-cultural variables -- in particular, a perceived greater willingness on the part of women to report painful symptoms and seek medical attention. Although psychosocial factors do influence pain perception, there is now substantial evidence to support a strong role for hormonal factors mediating sex differences in pain modulation. In Pain in Women: A Clinical Guide, a renowned group of experts in pain medicine breaks new ground in the field by synthesizing and elucidating the range of biological and neurohormonal factors underlying these conditions and clarifying potential treatment options based on these factors. The initial section of this unique title introduces the topic of pain in women and its importance and then goes on to describe hormonal and myofascial considerations in this patient population. The second section addresses specific pain disorders common in women and the various treatment options for these, including rehabilitative and complementary and alternative medicine (CAM) treatments. The third and final section covers the specific populations of the pregnant/postpartum woman, issues related to breast cancer, the female athlete, menopausal considerations, and the role of physical therapy in women’s health. Timely and state-of-the-art, Pain in Women: A Clinical Guide is an important new reference that fills a significant need in the developing area of pain medicine. More on www.springer.com/978-1-4419-7112-8

Due: March 29, 2012

2012. 356 p. 46 illus., 21 in color. Hardcover
978-1-4419-7112-8
►approx. 139,95 €

M.S. Badr, Wayne State University, Detroit, MI, USA (Ed.)
Myeloproliferative Neoplasms
Critical Concepts and Management

Myeloproliferative neoplasms (MPNs) are clonal stem cell diseases that, under the World Health Organization classification, are subcategorized into eight clinicopathologic entities. The current book focuses on three of these categories: polycythemia vera, essential thrombocythemia, and primary myelofibrosis. A number of important questions regarding the diagnosis, prognosis, and treatment of these diseases have arisen following the discovery of the JAK2 V617F mutation in the majority of patients with bcr/abl-negative MPNs. This book comprises evidence-based reviews and expert consensus results. It offers comprehensive coverage of relevant laboratory and clinical advances and places great emphasis on the practical issues that challenge physicians in their daily practice. The main topics considered thus include contemporary diagnostic approaches, the value and limitations of mutation screening for diagnostic and prognostic purposes, risk stratification in terms of both survival and other disease complications such as leukemic transformation and thrombosis, and modern therapeutic strategies, including conventional drugs, allogeneic stem cell transplantation, and experimental drugs still under study. The reader will find Critical Concepts and Management Recommendations in Myeloproliferative Neoplasms to be an invaluable and up-to-date source of information from leading authorities in the field. More on www.springer.com/978-3-642-24988-4

Online orders shipping within 2-3 days.

2012. VIII, 240 p. 22 illus., 13 in color. (Hematologic Malignancies) Hardcover 978-3-642-24988-4 ►139,95 €

Psychology and Diabetes Care
A Practical Guide

Psychological issues are increasingly recognised to be of high importance in diabetes management. Understanding the psychosocial barriers facing individuals and their families and being able to provide the tools to support them to overcome those barriers is an essential part of diabetes care. Psychology and Diabetes Care: A Practical Guide is a concise handbook for the practicing diabetes clinician who is interested in gaining a better understanding of their patients, and in learning effective skills to better support patients. The book explores common psychological problems associated with diabetes, gives insight into how diabetes is experienced in children, adolescents and special groups, and provides practical advice on providing psychological support to individuals with this serious long-term condition. More on www.springer.com/978-0-85729-572-9

Usually dispatched within 3 to 5 business days.

2012. XII, 400 p. 166 illus., 80 in color. Hardcover 978-1-4419-9770-8 ►159,95 €

Crohn’s Disease and Ulcerative Colitis
From Epidemiology and Immunobiology to a Rational Diagnostic and Therapeutic Approach

The conditions of Crohn’s disease and ulcerative colitis are excellent examples of how the exponential growth of knowledge in biomedical science can make a remarkable impact on clinical practice and patient’s quality of life. It has led to the development of unique novel immunomodulatory treatments. These are continuously being refined to treat not only the two original conditions in the gut, but the systemic immunologic illness with its associated extraintestinal disorders. New therapies are sometimes complex and associated with important risks requiring a deeper understanding of their molecular principles from clinicians. Crohn’s Disease and Ulcerative Colitis serves as a unique combined resource for physicians and scientists addressing the needs of both groups. It will stimulate exchange and collaboration and shorten the path between discovery and application of new knowledge and also help clinicians understand new therapeutic concepts from their origins. This volume provides an introduction to mucosal immunology which forms the basis of modern immunotherapy. It also serves as a comprehensive guide to the current diagnostic modalities, including enhanced imaging techniques such as MRI and CT enterography, virtual colonoscopy, ultrasound, and endomicroscopy as well as conventional and complex immunomodulatory principles. Each chapter is written by experts in their field and includes the most up to date information. Crohn’s Disease and Ulcerative Colitis will be of great value to gastroenterologists, surgeons, internists, pediatricians and gynecologists trainees, as well as all
hypervarolysis of joints 4th edition follows the same format as its successful predecessors. The aim of which was to provide an overview of hyperlaxity of joints and this edition follows that aim by describing the most recent research and new developments in biochemistry, as well as providing practical advice on clinical features and management. Hypermobility of joints 4th edition provides illustrative case histories, a review of hypermobility in the performing arts and sports and an outline of heritable hypermobility syndromes. This book is a valuable reference tool for a wide number of specialties, although it will particularly be of interest to rheumatologists, orthopedic surgeons and medical geneticists.


Usually dispatched within 3 to 5 business days.

►99,95 €

Forthcoming

F. Bento (Ed.)

Quality Management in ART Clinics

A Practical Guide

This unique book provides easily adoptable guide to implementing and improving formalized quality management systems. Essential to any clinic toward achieving best practices and maintenance of formal regulatory certifications, this book brings together the know-how of expert thought leaders operating in key areas worldwide. The book begins with an overview of primary regulations in the ART field with attention to quality management demands, and goes on to link specific demands to practical steps for implementation. Filled with example processes and procedures, easy to follow flow diagrams, and forms which are readily adapted to the individual ART clinic, this book is the first of its kind, bringing together the necessary elements for optimizing practice, management, and quality assurance.

More on www.springer.com/978-1-4419-7138-8

DUE: March 29, 2012

2012. 250 p. 40 illus., 20 in color. Hardcover 978-1-4419-7138-8
►approx. 139,95 €

Dural Cavernous Sinus Fistulas Diagnosis and Endovascular Therapy

Dural cavernous sinus fistulas (DCSFs) represent a benign vascular disease, consisting in an arteriovenous shunt at the cavernous sinus. In the absence of spontaneous resolution, the fistula may lead to eye redness, swelling, proptosis, chemosis, ophthalmoplegia and visual loss. Although modern imaging techniques have improved the diagnostic, patients with low-flow DCSFs are still misdiagnosed. These patients can get erroneously treated for infections and inflammation for months or years and are at risk of visual loss. Early and proper diagnosis helps to avoid deleterious clinical course of the disease. This volume provides a complete guide to clinical and radiological diagnosis as well as to therapeutic management of DCSF with emphasis on modern minimal invasive treatment options. It commences with an informative description of relevant anatomy. After sections on the classification, etiology and pathogenesis of DCSF, the clinical symptomatology of the disease is described in detail. The role of modern non-invasive imaging tools is then addressed with the use of computed tomography, magnetic resonance imaging and ultrasound. Intra-arterial digital subtraction angiography (DSA), although invasive, remains the gold standard and is mandatory for clinical decision-making and strategy in endovascular treatment. Hence, a thorough consideration is given to both, 2D-DSA and 3D rotational angiography, including recent technological advancements such as Dual Volume (DV) imaging and angiographic computed tomography (ACT). After a short section on arteriovenous hemodynamics, the therapeutic management of DCSF is described in detail. In particular, various transvenous techniques, required for successful endovascular occlusion of DCSF, are discussed in depth. This well-illustrated volume will be invaluable to all who may encounter DCSF in their clinical practice.

More on www.springer.com/978-3-642-23597-9

Online orders shipping within 2-3 days.

2010. XIV, 326 p. 742 illus., 150 in color. (Diagnostic Imaging) Softcover 978-3-642-23597-9
►79,95 €

Dermatoethics

Contemporary Ethics and Professionalism in Dermatology

There has been a sea-change in dermatology in the last three decades. Electronic communication, social networking, healthcare reform, the changing reimbursement scene, consumerism and the business of medicine, cosmetic dermatology and medical spas, and advances in genetic technology, all give rise to new ethical concerns. These developments combined with the frailties of human nature, to which physicians are not exempt, underscore the need for ongoing teaching and dialogue on contemporary issues in dermatologic ethics and professionalism. The public, accrediting organizations, and physicians themselves recognize the need for training resources in dermatology ethics and professionalism. Dermatoethics: Contemporary Ethics and Professionalism in Dermatology represents an analysis of real-life case scenarios that is both practical and scholarly. Each chapter deals with a specific topic by presenting one or more case vignettes pertinent to that topic. These topics are relevant for those teaching in ethics, dermatology trainees and practicing dermatologists in academia. The vignettes are followed by a detailed analysis by the chapter author identifying relevant contemporary trends as well as pertinent ethical principles. This book is readable, contemporary, and thought-provoking, yet scholarly and authoritative.

More on www.springer.com/978-1-4419-7138-8

DUE: March 29, 2012

2012. 250 p. 40 illus., 20 in color. Hardcover 978-1-4419-7138-8
►approx. 139,95 €

L. Bercovitch, Brown University, Providence, RI, USA; C. Perlis, Brown University, Providence, RI, USA (Eds.)

Dermal Cavernous Sinus Fistulas Diagnosis and Endovascular Therapy

G. Benndorf, The Methodist Hospital, Houston, TX, USA

Dural Cavernous Sinus Fistulas: Diagnosis and Endovascular Therapy

G. Benndorf, The Methodist Hospital, Houston, TX, USA

Dural Cavernous Sinus Fistulas: Diagnosis and Endovascular Therapy

978-1-4614-0997-7

2012. XVIII, 754 p. 151 illus., 116 in color. Hardcover

More on www.springer.com/978-1-4614-0997-7

Due: March 29, 2012

2012. 250 p. 40 illus., 20 in color. Hardcover 978-1-4419-7138-8
►approx. 139,95 €

Those involved in Crohn’s disease, ulcerative colitis and related autoimmune disorders.

More on www.springer.com/978-1-4614-0997-7

Online orders shipping within 2-3 days.

2012. XVIII, 754 p. 151 illus., 116 in color. Hardcover 978-1-4614-0997-7
►199,95 €
with a comprehensive foundation for understanding and performing endovascular procedures—from the basic steps to the most current and advanced techniques. Individual chapters focus on primary intervention sites, including lower extremity, renal/ mesenteric, subclavian/upper extremity, carotid/ vertebral, intracranial, and venous interventions. Additionally, chapters covering critical limb ischemia and abdominal and thoracic aortic aneurysms are included. By incorporating valuable clinical information, such as indications, contraindications, complications, and discussions of surgical techniques and procedures, this book is a valuable resource for the busy practitioner and will be of interest to all interventional and general cardiologists, radiologists, and neurologists; vascular surgeons; internists; and residents and fellows.


Usually dispatched within 3 to 5 business days.
2012. X, 236 p. 136 illus., 36 in color. (Contemporary Cardiology) Hardcover
978-1-60327-964-2
►139,95 €

Manual of Outpatient Cardiology

An ever growing population of patients are affected by cardiac disease. Most of these diseases are chronic in nature and require long term outpatient follow up. Subsequently, outpatient providers are finding themselves responsible for an increasing number of patients with cardiovascular issues. Appropriate diagnosis and management of cardiac disease is essential to providing high quality care in an efficient manner. There is a wide spectrum of providers involved in the care of these patients, many of which are not cardiologists. The Manual of Outpatient Cardiology is written in a practical, didactic format designed to deliver point-of-care information to practitioners of cardiology and assist non-cardiologists with the efficient management of cardiac disease. Highly illustrated with schematics and useful clinical figures, this book is an essential reference to all outpatient cardiology procedures.

More on www.springer.com/978-0-85729-943-7

Usually dispatched within 3 to 5 business days.
2012. XIII, 505 p. 106 illus., 59 in color. Softcover
978-0-85729-943-7
►39,95 €

Clinical Cardiac MRI

Clinical Cardiac MRI is a comprehensive textbook intended for everyone involved in magnetic resonance imaging of the heart. It is designed both as a useful guide for newcomers to the field and as an aid for those who routinely perform such studies. The first edition, published in 2004-5, was very well received within the cardiac imaging community, and has generally been considered the reference because of its completeness, its clarity, and the number and quality of the illustrations. Moreover, the addition of online material showing 50 real-life cases significantly enhanced the value of the book. In this second edition, the four editors, all experts in the field, have taken great care to maintain a homogeneous high quality throughout the book while incorporating the newest insights and developments in this rapidly evolving domain of medical imaging. Essential theoretical background information is included, and imaging acquisition and potential pitfalls are examined in detail. Most importantly, structured guidelines are provided on the interpretation of clinical data in the wide range of cardiac pathology that can be encountered. Finally, the selection of 100 real-life cases, added as online material, will further enhance the value of this textbook.

More on www.springer.com/978-3-642-23034-9

Online orders shipping within 2-3 days.
2012. XII, 709 p. 535 illus., 165 in color. With online files/ update. (Diagnostic Imaging) Hardcover
978-3-642-23034-9
►299,00 €
from neurosurgical pre-op to critical care – plus anesthesia in neuroradiology • Adult and pediatric care • Structured algorithmic approach supports clinical decision-making • Succinct presentation of clinically relevant basic science • End-of-chapter summaries, with suggestions for further reading • Collaborative approach and multidisciplinary nature of perioperative medicine emphasized • Extensive summary tables • Portable and formatted for quick retrieval of information • Ideal for use in the OR, the PACU, and the ICU


Usually dispatched within 3 to 5 business days.

2012. XXX, 913 p. 60 illus., 15 in color. Softcover 978-0-387-09561-5 ▶ 59,95 €

Images in Urology Diagnosis and Management

Images in Urology is a unique book that integrates images of urological conditions within their clinical context. Improvements in imaging techniques have meant greater diagnostic power and a dramatic rise in the number and quality of images obtained and viewed by practicing clinicians. None more so than in the field of urology, where static and dynamic images are fundamental to the diagnosis and treatment of almost all conditions. This book presents images of radiological and radionuclide scans, macroscopic and microscopic histopathology specimens, urodynamic traces and photographs of dermatological conditions relating to urology. Each section has a series of questions, often relating to a clinical scenario, about the images. A comprehensive answer provides a description of each image and of the condition shown. Details of how to interpret the image and the use of contrast or staining methods to help differentiate normal anatomy from pathology are included. Images in Urology is an essential tool for urology, radiology and histopathology trainees and consultants, as well as being an excellent exam preparation guide.

More on www.springer.com/978-0-85729-768-6

Online orders shipping within 2-3 days.

2012. XII, 436 p. 305 illus., 152 in color. Hardcover 978-0-85729-768-6 ▶ 119,95 €

Neuroradiology is the branch of radiology that comprises both imaging and invasive procedures related to the brain, spine and spinal cord, head, neck, organs of special sense (eyes, ears, nose), cranial and spinal nerves, and cranial, cervical, and spinal vessels. Special training and skills are required to enable the neuroradiologist to function as an expert diagnostic and therapeutic consultant and practitioner. In addition to knowledge of imaging findings, the neuroradiologist is required to learn the fundamentals of structural and functional neuroanatomy, neuropathology, and neuropsychopathology as well as the clinical manifestations of diseases of the brain, spine and spinal cord, head, neck, and organs of special sense. This book is intended as an introduction to neuroradiology and aims to provide the reader with a comprehensive overview of this highly specialized radiological subspecialty. One hundred illustrated cases from clinical practice are presented in a standard way. Each case is supported by representative images and is divided into three parts: a brief summary of the patient’s medical history, a discussion of the disease, and a description of the most characteristic imaging features of the disorder. The focus is not only on common neuroradiological entities such as stroke and acute head trauma but also on less frequent disorders that the practitioner should recognize. Learning Neuroimaging: 100 Essential Cases is an ideal resource for neuroradiology and radiology residents, neurology residents, neurosurgery residents, nurses, radiology technicians, and medical students.

More on www.springer.com/978-3-642-22998-5

Usually dispatched within 2-3 days.

2012. XIV, 290 p. 100 illus., 21 in color. (Learning Imaging) Softcover 978-3-642-22998-5 ▶ 39,95 €

Perioperative Addiction Clinical Management of the Addicted Patient

Perioperative Addiction addresses an issue that every anesthesiologist will encounter many times during the course of his or her career: the patient who arrives for operative care under the influence of legal or illegal drugs. The editors and contributors provide expert guidance on how to identify and manage the addicted patient, approaching the subject from the vantage points of the specific drug and of special patient populations. Features: • Guidance for spotting and managing addicted patients • All common and important drugs of addiction, from opioids, cocaine, club drugs, and alcohol, to tobacco, marijuana, nitrous oxide, inhalants, and propofol • Special populations, including pregnant women, pain patients, adolescents, older patients, and healthcare professionals • Fascinating overview of the long history of addiction • Genetic basis of addiction, and the range of pharmacological treatments for addiction

More on www.springer.com/978-1-4614-0169-8

Usually dispatched within 3 to 5 business days.

Clinical Applications of Cardiac CT

During the past few years, cardiac CT (CCT) has acquired an increasingly important role as a noninvasive imaging method that allows assessment of coronary heart disease from both the morphological and the functional standpoint. It is quickly becoming a primary clinical tool for the evaluation and follow-up of various conditions related to the heart and great vessels and is providing valuable insights into the natural history of atherosclerosis. The rapid advances in CCT technology, the advent of new clinical applications, and the acquisition of data on prognostic value are just some of the reasons for the publication of this new edition of Clinical Applications of Cardiac CT, little more than 3 years after the first edition appeared. The text has been extensively revised and updated to reflect current knowledge and practice, and the structure and layout of the educational content have also been improved. The imaging targets, semiology, technique, and clinical applications of CCT are all covered in detail, and in addition relevant information is provided on epidemiology, clinical assessment, and the role of other diagnostic modalities. This book will prove an invaluable tool for radiologists and cardiologists alike.


Online orders shipping within 2-3 days.

2010. XVI, 352 p. Hardcover
978-88-470-1166-3
►159,95 €
researchers are cutting a new path toward a more sustainable future. An ecosystem approach to health, integrating research and practice from such fields as environmental management, public health, biodiversity, and economic development, is based on an understanding that people are part of complex socio-ecological systems. Featuring case studies from around the world, Ecohealth Research in Practice demonstrates innovative practices in agriculture, natural resource management, community building, and disease prevention, reflecting the state of the art in research, application, and policymaking in the field. The book demonstrates how ecohealth research works and how it has led to lasting changes for the betterment of peoples’ lives and the ecosystems that support them. Dominique F. Charron leads IDRC’s program in Ecosystems and Human Health (Ecohealth), which examines the links between the environment and human health in the developing world. Dr. Charron holds a PhD in epidemiology and a Doctor of Veterinary Medicine from the University of Guelph. Canada’s International Development Research Centre (IDRC) supports research in developing countries to promote growth and development. IDRC also encourages sharing innovative, lasting local solutions that aim to bring choice and change to those who need it most. ISBN: 978-1-4614-0516-0

More on www.springer.com/978-1-4614-0516-0

Usually dispatched within 3 to 5 business days.

2012. XII, 258 p. 19 illus., 4 in color. Softcover
978-0-85729-312-1
39,95 €

A. Chandraker, Renal Division, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA; M.H. Sayegh, Renal Division, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA; A.K. Singh, Renal Division, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA (Eds.)

Core Concepts in Renal Transplantation

Though kidney transplantation is considered a routine procedure, there are still significant challenges in post-transplant management. Core Concepts in Renal Transplantation is a clinically focused authoritative guide to the management of kidney transplantation. This comprehensive, state-of-the-art reference summarizes the recent changes in the field of transplantation, offering the complete range of up-to-date information on all the various aspects of basic immunobiology and the medical care of the transplant recipient. Written by a team of renowned authorities in renal transplantation, this concise resource is intended for both the nephrologist and the non-specialist with an interest in kidney transplantation.


Usually dispatched within 3 to 5 business days.

2012. XII, 242 p. 20 illus., 12 in color. Hardcover
978-1-4614-0007-3
139,95 €

D.F. Charron, IDRC, Ottawa, CA (Ed.)

Ecohealth Research in Practice

Innovative Applications of an Ecosystem Approach to Health

Nearly two decades after the United Nations Conference on Environment and Development (commonly called the Rio Summit), the world is still facing a profound need for development to alleviate poverty and improve human lives through more equitable access and use of resources and healthier environments. Understanding that human health depends on quality ecosystems,
Integrative Therapies in Lung Health and Sleep

Integrative Therapies in Lung Health and Sleep provides an overview of integrative therapies to assist clinicians caring for patients with acute or chronic lung diseases and sleep disorders—emphasizing the scientific bases for these therapies; and their implementation into clinical practice. This volume focuses on complementary and alternative medicine (CAM) treatments, modalities, and practices that are integrated with conventional medical treatment and for which there is some evidence of safety and efficacy. Whole Medical Systems, with a specific focus on Traditional Chinese Medicine, are also addressed. Individual chapters are devoted to specific health conditions or illnesses, addressing the current state of the science in the four organizing CAM domains, including available information regarding benefits, risks, or safety considerations. Unique aspects of this volume are the chapters related to evaluation of the evidence base for integrative therapies; new animal model research with herbal preparations focused on the serious problem of sepsis in the ICU; guidance for counseling patients with chronic lung illnesses who may be desperate for a cure; and palliative and end-of-life care for patients with chronic lung conditions.Clinicians in various health care settings will find Integrative Therapies in Lung Health and Sleep beneficial in their practice, particularly as the use of integrative therapies becomes more widespread.

More on www.springer.com/978-1-61779-578-7
Usually dispatched within 3 to 5 business days.

2012. XV, 327 p. 62 illus., 4 in color. (Respiratory Medicine, Vol. 4) Hardcover
978-1-61779-578-7 ►159,95 €
influence on all of medicine. Computer Medical Databases: The First Six Decades (1950–2010) has been created by Dr. Collen, the “Father of Medical Informatics”, to detail the journey from the very basic medical informatics databases to the hugely complex information systems that are now commonplace in clinics and large hospital groups globally. The medical informatics literature for the last six decades has been so voluminous that it is unfeasible for any review to be completely comprehensive, but the historical material presented is representative of the vast changes that have been observed, and will serve as a useful bridge between medical informatics from the past into the future. The emphasis is on the development of medical informatics in the United States, but concurrent developments in Canada, Europe, and Japan have certainly influenced this field in the United States. As such, this book will be a superb addition to the library of health informaticians in the U.S. and around the world.

More on www.springer.com/978-0-85729-961-1

Usually dispatched within 3 to 5 business days.

2012. XIX, 288 p. (Health Informatics) Hardcover 978-0-85729-961-1 ►69,95 €

Ultrasonography of the Pancreas Imaging and Pathologic Correlations

Ultrasonography (US) has long been considered an important diagnostic imaging modality for investigation of the pancreas despite certain significant and well-known limitations. Indeed, in many countries US represents the first step in the diagnostic algorithm for pancreatic pathologies. Recent years have witnessed major advances in conventional, harmonic, and Doppler imaging. New technologies, softwares, and techniques, such as volumetric imaging, enhancement quantification, and fusion imaging, are increasing the diagnostic capabilities of US. The injection of microbubble contrast agents allows better tissue characterization with definitive differentiation between solid and cystic lesions. Contrast-enhanced US improves the characterization of pancreatic tumors, assists in local and liver staging, and can offer savings in both time and money. Acoustic radiation force impulse (ARFI) imaging is a promising new US method to test, without manual compression, the mechanical strain properties of deep tissues. Furthermore, the applications and indications for interventional, endoscopic, and intraoperative US of the pancreas are discussed in detail, with precise description of findings and with informative imaging (CT and MRI) and pathologic correlations.

More on www.springer.com/978-88-470-2378-9

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2012. XV, 205 p. 140 illus., 60 in color. Hardcover 978-88-470-2378-9 ►129,95 €

HCV Infection and Cryoglobulinemia

In 1947, Lerner and Watson showed that the cold-precipitable proteins in serum were gammaglobulins. These “cryoglobulins” were responsible for the corresponding clinical condition “cryoglobulinemia.” Meltzer and Franklin, in 1966, provided an accurate description of the typical clinical symptoms associated with cryoglobulinemia. Subsequent progress in this field was rather slow until the end of the 1980s, when cryoglobulinemia was definitively shown to be an extrahepatic manifestation of hepatitis C virus infection. The book is unique in its detailed presentation and fundamental approach. Highly qualified authors have contributed critical articles reviewing significant developments in our understanding of and therapeutic approach to HCV infection and cryoglobulinemia. The text is accompanied by striking color images and illustrations and highly informative tables. This comprehensive review of a systemic disease with a complex etiology is a valuable source of up-to-date, expert information not only for basic scientists and specialists in several disciplines but also for general practitioners as well as graduate and postgraduate students in clinical and medical research.

More on www.springer.com/978-3-642-01401-7

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2010. XI, 449 p. 1408 illus. in color. With DVD. Hardcover 978-3-642-01401-7 ►249,00 €

Serous Effusions

Etiology, Diagnosis, Prognosis and Therapy

Serous (peritoneal, pleural and pericardial) effusions are a frequently encountered clinical finding in everyday medical practice and one of the most common specimen types submitted for cytological evaluation. The correct diagnosis of effusions is critical for patient management, as well as for prognostication and yet many clinicians find diagnosis and treatment of cancer cells in effusions very challenging. Featuring multiple microscopic

R.K. Daniel, Newport Beach, CA, USA

Mastering Rhinoplasty
A Comprehensive Atlas of Surgical Techniques with Integrated Video Clips

Every surgeon who carries out rhinoplasty procedures will learn a great deal from this book. The beginner is guided through the performance of a standard rhinoplasty operation that can be expanded to incorporate the described advanced techniques as experience is gained. The emphasis is on the routine case that is too frequently overlooked in favor of the esoteric. For the already proficient surgeon, on the other hand, the latest breakthroughs in the management of difficult cases, such as saddle nose, skin sleeve problems, and dorsal grafting, are clearly depicted. When appropriate, approaches developed exclusively by the author are presented. The lucid text is complemented by a wealth of color figures as well as by DVDs containing integrated video clips that transport the reader into the operating room with the author while he performs live surgery and demonstrates the technique in question.

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illustrations of all diagnostic entities and ancillary techniques (immunohistochemistry and molecular methods), this book provides a comprehensive, authoritative guide to all aspects of serous effusions, including etiology, morphology and ancillary diagnostic methods, as well as data related to therapeutical approaches and prognostication. Section One covers diagnosis for benign and malignant effusions including the etiological reasons for the accumulation of effusions that provides the reader with the full spectrum of differential diagnoses at this anatomic site. Section Two discusses biology, therapy and prognosis highlighting clinical approaches that may be of value to patients and the movement towards personalized medicine and targeted therapy. Written by experts in the field internationally, Serous Effusions will provide an indispensable guide to all aspects of current practice for cytopathologists, cytotechnicians, pathologists, clinicians and researchers in training and practice.


**Online orders shipping within 2-3 days.**


► 159,95 €

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**Bisphosphonates and Osteonecrosis of the Jaw: A Multidisciplinary Approach**

Bisphosphonates are commonly prescribed to inhibit bone loss in patients with osteoporosis, as well as osteopenia, cancer, and Paget’s disease of the bone. Recently, scientific literature has addressed a possible relationship between bisphosphonates and osteonecrosis of the jaw (ONJ). It is important to note that though the risks for developing ONJ are much higher for cancer patients on intravenous bisphosphonate therapy (used to reduce bone pain), the occurrence of ONJ also in patients treated with oral BF for osteoporosis has been also highlighted, though rarely. On the basis of the large use of BF, of their pharmacokinetics, of the systemic and local risk factors, physicians prescribing them and dental surgeons should be well informed on the various aspects of the problem. Aim of this volume is to offer an update on the current status of prevention, and on the current conservative and surgical treatments. The multidisciplinary approach will be very much appreciated by GP’s, the different specialists using bisphosphonates and by dental surgeons.


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► 99,95 €

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**Totally Implantable Venous Access Devices**

Since their first application in 1982, Totally Implantable Venous Access Devices (TIVADs) have become increasingly important in the clinical practice, as more intensive chemotherapy and parenteral treatments have come into use. At this time, there is objective evidence that TIVADs are a safe, effective strategy for long-term venous access; they play a significant role throughout the management of the oncology patient, as they are needed in the initial phases for active treatments as well as in the last stages for palliative measures, making possible repeated administration of chemotherapeutic vesicant agents, nutrients, antibiotics, analgesics, and blood products. According to a number of prospective studies, use of TIVADs is associated with a significant complication rate (10% to 25% of all patients). Evidence-based data support that most complications are directly related to inappropriate technique of placement and/or nursing care, sometimes leading to TIVAD loss, significant morbidity, increased duration of hospitalization, and additional medical cost. A group of world-renowned experts - both in the clinical and research fields – contributed to this volume, whose aim is to provide clinicians, nurses and medical students with a multidisciplinary, full update on these devices, as long term central venous access can no longer be considered a routine matter, and serious complications can be maintained at a very low level only if strict adherence to a well-defined protocol of surgical technique and of catheter care is maintained.

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2012. 300 p. 30 illus. in color. Hardcover 978-88-470-2372-7

► 139,95 €
**Endocrine Disruptors and Puberty**

Endocrine disruption represents one of the most controversial environmental issues of our time. Mounting evidence stemming from more than 10 years of experimental, epidemiological and clinical studies has transformed the once generally discounted subject of endocrine disruptors into an issue of tremendous concern not only within the scientific community but among society as a whole. Following initial evidence from basic research, endocrine disruption in humans has now emerged as a major medical challenge. In this respect, puberty, a crucial developmental stage, has been definitively identified as a key window of vulnerability with regard to endocrine disruptors. Written by leading authorities in the field, Endocrine Disruptors and Puberty offers an engaging and comprehensive overview of this fascinating and rapidly growing problem. An indispensable resource for all clinicians and scientists interested in this challenging endocrinologic topic, Endocrine Disruptors and Puberty is a timely contribution that will help navigate a path toward understanding the problem and developing solutions. More on [www.springer.com/978-1-4471-2276-0](http://www.springer.com/978-1-4471-2276-0)

**Frozen Section Library: Lymph Nodes**

The Frozen Section Library series provides concise, user-friendly, site specific handbooks that are well illustrated and highlight the pitfalls, artifacts and differential diagnosis issues that arise in the hurried frozen section scenario. Frozen Section Library: Lymph Nodes highlights the usefulness of techniques such as touch preparation cytology and fine needle aspiration (FNA) cytology, as well as FNA biopsy. This fascicle also suggests proper handling for subsequent ancillary studies, including flow cytometric, cytogenetic, and molecular studies. Special emphasis is given to the limitations of frozen section diagnosis in lymph node pathology. All chapters are written by experts in their fields and include the most up to date scientific information. This book serves as a very useful resource for physicians in the frozen section room and in intra-operative consultation situations dealing with, and interested in, this very complex field of diagnostic pathology. Frozen Section Library: Lymph Nodes is of great value to pathologists, residents, and fellows who diagnose pathologic processes involving lymph nodes. Cherie H. Dunphy, M.D. is Professor of Pathology and Laboratory Medicine, Executive Director of Hematopathology and Hematopathology Fellowship Department of Pathology and Laboratory Medicine University of North Carolina Chapel Hill, NC. More on [www.springer.com/978-3-642-22696-0](http://www.springer.com/978-3-642-22696-0)

**Neurorehabilitation Technology**

Neurorehabilitation Technology provides an accessible, practical overview of the all the major areas of development and application in the field. The initial chapters provide a clear, concise explanation of the rationale for robot use and the science behind the technology before proceeding to outline a theoretical framework for robotics in neurorehabilitative therapy. Subsequent chapters provide detailed practical information on state-of-the-art clinical applications of robotic devices, including robotics for locomotion, posture and balance and upper extremity recovery in stroke. The text is illustrated throughout with photographs and schematic diagrams which serve to clarify the information for the reader. This book is a valuable resource for neurologists, biomedical engineers, rehabilitation specialists, physiotherapists and those training in these fields. More on [www.springer.com/978-1-471-22776-0](http://www.springer.com/978-1-471-22776-0)

**Dupuytren’s Disease and Related Hyperproliferative Disorders**

Principles, Research, and Clinical Perspectives

Until a cure exists, Dupuytren’s disease and related disorders such as Ledderhose’s disease will pose lifelong threats of functional impairment for affected individuals. A better understanding of the onset of disease, early detection and functional preservation are of the utmost importance to minimize the impact of these conditions. This book is based on presentations and discussions at the 2010 International Symposium on Dupuytren’s disease held in Miami, Florida, but it also includes new data and additional chapters. It is hoped that it will raise awareness of this underestimated condition and promote cooperative efforts to work towards a cure. Up to date information is provided on the epidemiology, biology, and pathology of the disease. The principles and specifics of treatment are explored in detail. The indications for and techniques of radiotherapy, minimally invasive treatments and open surgery are fully explained. In addition, the role of physical therapy is considered as well as the care of relapse and complications. Treatment of Ledderhose’s disease and Peyronie’s disease is also discussed. This book provides invaluable information for hand surgeons, podiatrists, orthopedists, plastic surgeons, radiation therapy specialists and general practitioners. It will help to foster an interdisciplinary approach to the understanding and management of this debilitating disorder and related conditions. More on [www.springer.com/978-3-642-22696-0](http://www.springer.com/978-3-642-22696-0)
Anal and Rectal Diseases

A Concise Manual

Anal and Rectal Diseases: A Concise Manual provides a succinct reference on the subject for clinicians, including primary care physicians, gastroenterologists, general surgeons, physician’s assistants and nurse practitioners. Presented in a consistent structural style that provides both a general summary of individual topics within the field along with additional details to assist those with some background knowledge in the subject area, this handy volume provides information related to the field of anorectal disease in a format that is easily accessible for rapid acquisition of knowledge. Each topic is outlined in a multidisciplinary fashion with the medical, surgical, and pathological aspects clearly detailed in each section. Each section clearly describes the condition with up-to-date management guidelines and precious clinical pearls. The volume features high quality illustrations in the form of elegant hand drawn figures, tables, photographs of physical findings, endoscopic finds and radiographs. The clinical photographs and x-rays will be of great value to gastroenterologists whose specialty is not coloproctology. Chapters on computerized tomographic colography (virtual colonoscopy) and others cover the newer technologies employed for diagnostic purposes in these diseases. Anal and Rectal Diseases: A Concise Manual provides clinicians with a tool for rapid consultation for direct patient care and management.

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MRI Handbook

MR Physics, Patient Positioning, and Protocols

MRI Handbook presents a concise review of the physical principles underlying magnetic resonance imaging (MRI), explaining MR physics, patient positioning, and protocols in an easy-to-read format. The first five chapters of the book introduce the reader to the basics of MR imaging, including the relaxation concept, MR pulse sequences, and MR imaging parameters and options. The second part of the book (chapters 6-11) uses extensive illustrations, images, and protocol tables to explain tips and tricks to achieve optimal MR image quality while ensuring patient safety. Individual chapters are devoted to each major anatomic region, including the central nervous, musculoskeletal, and cardiovascular systems. By using annotated MR images and examples of patient positions used during scanning correlated with sample protocols and parameters, MRI Handbook is a practical resource for imaging professionals to use in the course of their daily practice as well as for students to learn the basic concepts of MR imaging.

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Humidification in the Intensive Care Unit

The Essentials

Inadequate humidification of inspired gases can cause a variety of serious problems, and humidification has accordingly become an important aspect of modern intensive care medicine. The array of available devices is now formidable, and appropriate advice on their use is essential. Accordingly, this book is designed to serve as a practical guide for clinicians, providing information on the theoretical background of humidification, the equipment, and its optimal application. The book starts by examining the physiological basis of humidification. Current devices are then discussed, with careful attention to factors influencing their performance and methods to evaluate their effectiveness. The two scenarios of mechanical and non-mechanical ventilation are considered, and the issue of ventilator-associated pneumonia is addressed in detail. Further chapters focus on such topics as humidification following tracheostomy, humidification of the artificial airway during secretion management, measurement of inspired gas temperature in the ventilated neonate, and humidification in the home care setting. This unique monograph on the current techniques of humidification and their indications has been written by internationally acclaimed experts and will prove of great value to practitioners.

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Leukemia and Related Disorders

Integrated Treatment Approaches

From the world renowned Fred Hutchinson Cancer Research Center, this book is written for all physicians who treat patients with acute or chronic leukemias or myelodysplasia. It is designed to answer questions about treatment approaches that commonly arise in day-to-day practice. In keeping with the Center’s groundbreaking research in bone marrow transplantation, the book provides exceptional coverage of the role of allogeneic transplant in treatment. It also addresses the important issues of supportive care and long-term complications of successful treatment. • Edited and written by experts at the Fred Hutchinson Cancer Research Center• Clinically focused and comprehensive coverage of treatment approaches • Allogeneic transplant addressed in detail• Separate chapters on supportive care and long-term complications

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Bedside Procedures in the ICU
At often critical times, ICU staff require immediate access to information regarding the management of patients in terms of procedures, drugs or any other aspect of treatment. Written by experts in the field of ICU, Bedside Procedures in the ICU facilitates rapid acquirinig of clinical knowledge in a concise and didactic format. Focusing on the most commonly performed procedures in the Intensive Care Unit, this book examines 20 procedures all the way from indication to the management of possible complications. This easy to follow guide provides practical advice and essential background for every member of the multi-disciplinary team caring for critically ill patients, from the senior practitioner who has not performed a procedure for some time, to the junior doctor in need of step by step guidance.

Chest Imaging
An Algorithmic Approach to Learning
Chest Imaging offers a concise introduction to radiographic chest procedures through a methodical, pattern-driven approach. Filled with high-resolution images, this practical guide provides a thorough explanation of key terms, concepts, and procedures useful for medical students, radiology residents, and others to learn the basics of the plain film chest x-ray (CXR). The book includes a companion online resource at www.robochest.com designed for use in combination to provide students with numerous examples of clinically significant abnormalities commonly detected on CXRs. Chapters present a structured lexicon to teach students to reproducibly describe radiographic abnormalities of the chest detected on CXRs. Topics present specific combinations of distinct radiographic findings in relation to classes and groupings of pathological etiologies of those findings. Recognizing individual findings and identifying their combination or lack of combination with other findings allows students to learn effective differential diagnoses. Chest Imaging includes hundreds of radiographs, CTs, graphics, mnemonics, differentials, and analogous models to help teach otherwise complex processes and radiographic principles.

Fluid and Electrolytes in Pediatrics
A Comprehensive Handbook
One of the time-honored foundations of the practice of pediatric medicine is the understanding and application of the principles of fluid, electrolyte and acid-base disorders. Presented in a new softcover format, Fluid and Electrolytes in Pediatrics: A Comprehensive Handbook brings together a select group of authors who share a passion and an appreciation of the contributions of pioneers in pediatric medicine and an expertise for their respective areas in a new softcover edition. The volume provides in-depth discussions of the basic functioning of the kidneys, skin and the lungs. Each chapter describes the etiology and demographics, biological mechanisms, patient presentation characteristics, therapy options and consequences of optimal treatment as well as delayed treatment. Fluid and Electrolytes in Pediatrics: A Comprehensive Handbook provides health professionals in many areas of research and practice with the most up-to-date, accessible, and well referenced volume on the importance of the maintenance of fluid and electrolyte concentrations in the pediatric population, especially under acute care.
More on [www.springer.com/978-1-61779-410-0](http://www.springer.com/978-1-61779-410-0)

Manual of Fast Track Recovery for Colorectal Surgery
Manual of Fast Track Recovery for Colorectal Surgery provides a broad overview on enhanced recovery, with expert opinions from leaders in the field regarding elements of enhanced recovery care that are generic and specific to colorectal surgery. This book covers the patient journey through such a programme, commencing with optimisation of the patient’s condition, patient education and conditioning of their expectations. Manual of Fast Track Recovery for Colorectal Surgery investigates the metabolic response to surgery, anaesthetic contributions and optimal fluid management, after surgery. It also details examples of enhanced recovery pathways and practical tips on post-operative pain control, feeding, mobilisation and criteria for discharge. Manual of Fast Track Recovery for Colorectal Surgery is a valuable reference tool for colorectal surgeons, anaesthetists, ward nurses and other members of the team involved in perioperative care: pain control specialists, physiotherapists, dietitians, specialist therapists (such as colorectal and stoma nurses), and outpatient nurses.
melanomas – over-exposure to ultraviolet light – is well known, effective treatment has remained challenging. The past several years have been marked by extraordinary developments in melanoma treatment in the arena of targeted therapeutics. This book describes these ground-breaking discoveries and their implications for clinical use. As melanoma biology is increasingly understood, so the development of targeted therapies for this disease is spurred ahead. This book covers both established signal transduction inhibitors and the fascinating emerging realm of molecularly-guided immunotherapies. This benchmark book provides the most up-to-date information on the new breed of melanoma therapies. Composed of the works of major researchers and clinicians, this book offers new insights, novel approaches, and promising data for effective treatment planning. Illuminating the latest advances in the field, it is a solid resource for clinical oncologists, translational scientists, and basic cancer researchers.


Usually dispatched within 3 to 5 business days.

2012. XVI, 377 p. 27 illus., 22 in color. (Current Clinical Oncology) Hardcover
978-1-61779-406-3
►159,95 €

Practical Procedures in Elective Orthopaedic Surgery
Upper Extremity and Spine

Practical Procedures in Orthopaedic Surgery covers the most common procedures that a surgeon in training is expected to perform during his residency program for the Upper extremity and the spine. Each procedure has been written by an expert or under a supervision of an expert. Each chapter provides such useful information to the trainee as indications, clinical and radiological assessment, surgical approach, implant positioning, tips and tricks, post-operative complications to be aware of, mode of mobilisation and the time intervals of outpatient follow up. Intra-operative pictures have been incorporated to allow the surgeon to be aware of all the important issues and steps involved for each procedure.


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2012. VII, 96 p. 70 illus. Softcover
978-0-85729-819-5
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Modified Inferior Turbinoplasty

Modified Inferior Turbinoplasty
A new surgical approach

Humans can resist 40 days without eating and 4 days without drinking, but only 4 minutes without breathing; this tells us much about its fundamental importance. Restoring an efficient nasal function is a very important – and in some cases crucial – issue. This book describes an innovative surgical technique called modified inferior turbinoplasty, which offers an excellent solution to the problems associated with the lower turbinate hypertrophy. A turbinate (or nasal concha) is a long, narrow, curled bone shelf that protrudes into the breathing passage of the nose. Most surgical interventions treat only the soft parts of hypertrophic turbinates and often lead to relapse. With this technique, in contrast, all anatomic parts of the turbinate are treated and swabs in the nose are completely avoided, which is fundamental for patients well-being and a quicker recovery. The book will be very useful for otorhinolaryngologists, plastic surgeons, endoscopic and maxillofacial surgeons.

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How to set up an Acute Stroke Service

Stroke is a leading cause of death and disability throughout the world. Intravenous lysates and endovascular stroke treatment were demonstrated to be highly beneficial in clinical trials and in achieving net cost savings. However, time is of the essence in the management of stroke as for every minute that stroke is left untreated, an estimated 1.9 million neurons are destroyed. An optimized stroke pathway can dramatically impact patient outcome. Every medical service will differ. This book offers a concise and practical guide on how to set up and efficiently run an acute stroke service tailored to the needs of the individual center as a provider of primary, secondary, or tertiary care. It documents the essential knowledge on current imaging and treatment options and offers guidance in organizing a site-specific stroke pathway that will ensure the quickest possible provision of treatment, thereby optimizing benefit to the patient and maximizing cost-effectiveness. The authors played an integral part in the development and operation of one of Europe's most successful early stroke centers and also have experience of the factors that can undermine the creation of world-class stroke units. On this basis, they address the key aspects of the stroke pathway and explain how organizing this can reduce the number of severe outcomes by ensuring that appropriate steps are taken during the early moments after stroke when intervention can make a profound difference. The challenging, multidisciplinary nature of care is emphasized, and this handbook will be an invaluable source for every member of the stroke team, including doctors, nurses, stroke coordinators, emergency and rehabilitation providers as well as hospital administrators.

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2012. XXI, 198 p. 236 illus., 163 in color. Softcover
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Great Health Care
Making It Happen

Great Health Care is enlightening and entertaining. It’s a must read for physicians, patients, health policymakers and administrators, and the interested public—anyone who wants to understand what great health care is, and how we might build it together.

The authors share their stories and motivations and the methods they have used to transform care for their own patients within their own practices and health systems. They thoughtfully explore how we got into this mess, how we can get out of it, and the barriers to making it happen. “It is not only the impact of chronic diseases on our health and economy that draws us to this subject. It is the intriguing and rewarding potential for improving the status quo through redesigning how chronic disease care is provided and paid for.” (Timothy Harrington, MD) • “You can’t do things differently until you see things differently.” (Eric Newman, MD) • “We start people on the road to recovery, but until you see things differently.” (Richard Lueker, MD, Beth McCormick, MS) • “We believe the extraordinary efforts of our program coordinators are key to our clients’ wellbeing and our unusually low readmission rate.” (Kathi Farrell, RN, BSN, PHN, Kathleen Sullivan, RN, MSN) • “In real life, we are not usually given the chance to have a do-over. But we are given the chance to continuously improve. With the right skill sets, and the right partners, we can transform.” (Eric Newman, MD)

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2012. XII, 258 p. 53 illus., 40 in color. Softcover
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Midfacial Rejuvenation

Midfacial Rejuvenation is a comprehensive review of the majority of procedures and options for midfacial aesthetic and corrective surgery. Each contributor offers a unique approach to the midfacial area, with detailed specifics for every technique. Chapters on midfacial anatomy, complications and their management complete the comprehensive coverage of the subject matter, resulting in a reference text that will benefit every practitioner dealing with the midfacial region. Features:
- One of the first books to focus exclusively on the midfacial area.
- Highly illustrated and with clear, step-by-step instructions on performing a variety of midface lifts, implants, sutures, grafts, and fillers.
- Over 300 full color images.
- Includes in-depth chapters on midfacial anatomy and the anatomic basis of aging.
- Multiple approaches to midfacial rejuvenation by well-known surgeons in fields such as oculoplastics, facial plastics, general plastics, and dermatologists.

Online orders shipping within 2-3 days.
2012. XXI, 511 p. 309 illus., 89 in color. Hardcover
978-3-642-02483-2
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knowledge to understand the clinical significance of imaging findings. This book provides an overview of the findings obtained using different imaging techniques during the evaluation of head and neck neoplasms, both before and after therapy. All anatomic areas in the head and neck area are covered, and the impact of imaging on patient management is discussed in detail. The authors are recognized experts in the field, and numerous high-quality images are included. This second edition provides information on the latest imaging developments in this area, including the application of PET-CT and diffusion-weighted magnetic resonance imaging.

More on www.springer.com/978-3-642-17868-9

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2012, XIV, 413 p. 357 illus., 78 in color. (Diagnostic Imaging) Hardcover
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Manual of Temporal Bone Exercises

This lavishly illustrated manual includes extraordinary artwork and offers a unique overview of all important structures of, and surgical techniques for, the middle ear and the temporal bone, including: Outer aspects of the temporal boneMastoid preparationsMastoidectomyPosterior tympanotomyCochleostomyFacial nerve decompression Mastoid cavityLabyrinthectomyMiddle ear preparationsExercises in tympanoplasty Approaches to the internal auditory canalTopographical studies of the temporal bone

This manual provides the reader with the knowledge necessary to start operating on patients. It also supports experts to improve and teach their skills.

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2011, IX, 41 p. 38 illus. in color. Softcover
978-3-642-19497-9
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Autoimmune Hepatitis

A Guide for Practicing Clinicians

With a focus on practical patient related issues, Autoimmune Hepatitis: A Guide for Practicing Clinicians serves as a useful practical, and much needed, resource for all those physicians presented with managing patients diagnosed with autoimmune hepatitis, both acutely and over the long term. It provides a basis for clinicians to understand the etiology of the disease, as well as special circumstances where management dilemmas often arise. Emphasis is given to providing management advice of immediate use to clinicians, something not presently offered by other larger general texts. The chapters are written by those with an expertise and training in this field and include the most up to date information. This book is of great value to Gastroenterologists, Hepatologists, and Internists at all levels who see patients presenting with autoimmune hepatitis.


Usually dispatched within 3 to 5 business days.

2012, X, 243 p. 16 illus., 13 in color. (Clinical Gastroenterology) Hardcover
978-1-60761-568-2
►139,95 €
site reaction. Each entity is reviewed in detail, with emphasis on genetic background, clinical presentation, pathologic findings and ancillary studies, differential diagnosis and clinicopathological correlations. Descriptions of the pathology are supported by numerous excellent photomicrographs. Recent advances in our understanding of the genetics of gestational trophoblastic diseases are stressed. Introductory chapters cover the developmental biology of the placenta and the genetic basis of gestational trophoblastic disease, and one chapter is devoted to the molecular diagnosis of gestational trophoblastic disease. This chapter includes a review of the use of short tandem repeat (STR) genotyping which is of particular value in the diagnosis of hydatidiform moles. The final chapter covers clinical aspects of gestational trophoblastic disease, including treatment. The text throughout is current and thoroughly referenced. This book will be of great value to pathologists, community gynecologists, gynecological pathologists and medical students.


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2012. XVII, 102 p. 51 illus., 37 in color. Softcover
978-0-85729-738-9
►159,95 €

Hughes Syndrome: The Antiphospholipid Syndrome, A Guide for Students provides an in-depth analysis into the main effects of Hughes Syndrome. In 1983, Dr Graham Hughes, and his team in London, described a syndrome and subsequently developed simple blood tests to diagnose the condition. This syndrome is characterised by thrombosis (both in limbs and internal organs), headaches, memory loss, strokes and, in pregnant women, placental clotting and recurrent miscarriage. The syndrome, now known worldwide as Hughes Syndrome, or the Antiphospholipid Syndrome, is common - being responsible for example, for up to 1 in 5 cases of young stroke and more importantly, it is treatable. Hughes Syndrome: The Antiphospholipid Syndrome, A Guide for Students details the effects of Hughes Syndrome on the major organs, making it a valuable reference tool for students in training.


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2012. XVI, 102 p. 51 illus., 37 in color. Softcover
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Gestational Trophoblastic Disease Diagnostic and Molecular Genetic Pathology

In this volume Dr Hui has brought together a comprehensive overview of gestational trophoblastic disease that includes all the currently recognized entities: complete and partial hydatidiform moles, placental site trophoblastic tumor, epithelioid trophoblastic tumor, gestational choriocarcinoma, persistent gestational trophoblastic neoplasia, placental site nodule and exaggerated placental

term outcomes, which demonstrate the strengths of holistic team management.

More on www.springer.com/978-3-642-22963-3

Online orders shipping within 2-3 days.

2012. XV, 311 p. 138 illus., 57 in color. Hardcover
978-3-642-22963-3
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Disorders of Sex Development: An Integrated Approach to Management

The birth of a baby with ambiguous genitalia triggers a chain reaction of difficulties that rapidly spread to the entire family and most medical attendants, leading to lasting effects on the gender identity, personality, and sexual functioning of the unfortunate individual. The rapid advances in medicine over the last 50 years have totally changed the outlook for children with disorders of sex development (DSD), but there is still much to learn. This book crystallizes the combined experience of a leading dedicated unit over 25 years in delivering expert medical and surgical care to children with DSD in a holistic environment. It documents the most recent advances in the molecular biology and embryology of sex development, and describes each disorder in detail. The clinical presentation and approach to diagnosis are described both for babies and for children presenting later in childhood or at adolescence. The chapters on management highlight all the latest knowledge and include the shared wisdom of the authors on current controversies, such as the timing of surgical treatment. Finally, the authors describe their short-, medium-, and long-
Clinically Oriented Pulmonary Imaging

Clinically Oriented Pulmonary Imaging delivers a clinically-oriented approach to imaging the lungs. Each chapter provides an organized approach to the different facets of imaging of specific clinical scenarios, focusing on strengths and weaknesses of available imaging tests. High quality examples of typical imaging findings of specific conditions supplement the text. Target readers include practicing internists, pulmonologists, thoracic surgeons, and primary care practitioners. Other readers include respiratory care therapists and medical students. Chapters are written by experts in the field of thoracic radiology and focus on specific clinical problems such as pulmonary thromboembolic disease, hemothysis, or lung cancer, and they discuss the utility of imaging in addition to illustrating the imaging findings commonly encountered. With a focused approach to specific clinical problems, Clinically Oriented Pulmonary Imaging is an essential new text that both novice and experienced readers will find to be useful.

More on www.springer.com/978-1-4614-1012-6

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2012. XIX, 816 p. 273 illus., 60 in color. Hardcover
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A.P. Kerber, Northwestern University, Chicago, IL, USA; J.B. Sloan, University of Colorado
School of Medicine, Aurora, CO, USA; J.R. Toleikis, Rush University School of Medicine, Chicago, IL, USA (Eds.)

**Monitoring the Nervous System for Anesthesiologists and Other Health Care Professionals**

Written and edited by outstanding world experts, this is the first portable, single-source volume on intraoperative neurophysiological monitoring (IOM).

It is aimed at all members of the operative team – anesthesiologists, technologists, neurophysiologists, surgeons, and nurses. Now commonplace in procedures that place the nervous system at risk, such as orthopedics, neurosurgery, otologic surgery, vascular surgery, and others, effective IOM requires an unusually high degree of coordination among members of the operative team. The purpose of the book is to help team members acquire a better understanding of one another’s roles and thereby to improve the quality of care and patient safety.

- **Concise and thorough** Comprehensive coverage of monitoring techniques, from deep brain stimulation to cortical mapping
- **Synopsis of anesthetic management basics** 23 case-based examples of procedures, including surgery of the aortic arch, ENT and anterior neck surgery, intracranial aneurysm clipping, and interventional neuroradiology
- **Monitoring in the ICU** and of cerebral blood flow


**Usually dispatched within 3 to 5 business days.**

2012. XXXVI, 810 p. 165 illus., 37 in color. Softcover 978-1-4614-0307-4 ▶69,95 €

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**Bariatric Surgery**

**Technical Variations and Complications**

The increasing prevalence of obesity in many countries means that it should now be considered a pandemic. It is widely recognized that obesity increases the risk of a variety of life-threatening conditions, including heart disease, diabetes, hypertension, and severe joint problems. Bariatric surgery is often the most effective way to treat such morbid obesity. Nevertheless, while various bariatric procedures have been proposed, to date standards have been lacking. In this book, leading experts from around the world discuss all aspects of bariatric surgery and present their own favored versions of surgical procedures with the aid of informative illustrations. Technical nuances are carefully described, and detailed attention is devoted to potential complications and how to avoid them.

The expertise of the authors and the range of techniques considered guarantee that both trainees in bariatric surgery and experienced surgeons will find this book to be an invaluable source of information and guidance in their daily work.

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**K Taping**

**An Illustrated Guide - Basics - Techniques - Indications**

Birgit Kumbrink’s bestselling guide to K Taping - finally available in English! This richly illustrated hands-on guidebook features a highly successful therapeutic approach to treating orthopedic, traumatological and many other conditions. It serves both as a perfect companion to training courses and as a reference book and refresher for health care professionals who have completed their training. A brief introduction to the basic principles of K Taping, the special elastic tapes used and the method’s history is followed by 7 chapters highlighting treatment techniques and their application to 50 frequently seen conditions. Each is featured on a double page with up to five color photos, brief instruction, practical information about symptoms, dosage, progress to be expected and tips regarding variations of techniques. As the benefits of K Taping in enhancing the effects of other conservative care and surgical treatments are getting more and more appreciated, Birgit Kumbrink’s “K Taping – An Illustrated Guide”, developed by Germany based K Taping Academy, has rapidly established itself as the ultimate reference book for therapists and clinicians in an ever expanding range of medical disciplines.

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**MDCT Protocols**

**Whole Body and Emergencies**

Multidetector-row computed tomography (MDCT) has become a fundamental imaging technique for the study of many anatomical districts in different clinical situations, as it provides a fast, reliable, and accurate simultaneous evaluation of different organs,
including parenchyma, hollow viscera, vessels, and bony structures. It has also equipped the radiologist with the ability to explore areas that in the last decade were largely ignored by CT, especially the coronary arteries and the colon, and to limit invasive diagnostic tests (e.g., catheter angiography) to those cases in which interventional procedures are required. The examination quality and the consequent diagnostic accuracy of MDCT are the results of an optimized study technique, which nonetheless needs to be adapted to the particular clinical situation of the patient, while bearing in mind the radiation exposure. Another fundamental parameter in the optimization of MDCT is the protocol for the intravenous injection of iodinated contrast material; in these studies, multiple variables, some modifiable by the operator and others patient-dependent, must be considered based on the aims of maximizing arterial and venous enhancements whilst minimizing the dose of iodine injected, saving money, and increasing patient safety. Through the presentation of cases addressing different anatomical regions and various clinical indications, including emergency and neuro-imaging, this volume seeks to provide the general radiologist and trainee specialist with a guide to the main study protocols to be implemented in order to optimize examination quality and, consequently, facilitate the diagnostic process.

More on www.springer.com/978-88-470-2402-1
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C.R. Lake, University of Kansas School of Medicine, Kansas City, KS, USA

Schizophrenia Is a Misdiagnosis: Implications for the DSM-5 and the ICD-11

Schizophrenia is a Misdiagnosis: Implications for the DSM-5 and the ICD-11 C. Raymond Lake
Schizophrenia: the lay public knows a general picture formed from popular culture, familiar legend, and, often, family history. The professional community knows a clinical profile gleaned from decades of scientific theory and findings. But recently a growing body of literature has begun to suggest not only that the diagnosis of schizophrenia is misleading, but that the concept of the disease itself is outmoded. Schizophrenia is a Misdiagnosis makes a persuasive, well-documented argument for the constellation of symptoms commonly known as schizophrenia as a psychotic form of bipolar disorder. The book documents the long history of both disease entities, from the pioneering work of Kraepelin and Bleuler to the rise of drug treatments in the 1950s to today’s brain imaging and genetic studies. Long-standing questions regarding key diagnostic symptoms are examined in depth. And the author details the negative sequela of misdiagnosis—from social stigma to inappropriate and even dangerous treatment—necessitating wide-scale revision. Among the areas covered: The scientific basis for establishing validity of diseases and their diagnoses. The overlap of symptoms and course between schizophrenia and mood disorders, from DSM-I to DSM-V. Medical and other psychiatric conditions often misdiagnosed as schizophrenia. The impact of misdiagnosis on patients and their caregivers. Why the concept of schizophrenia continues to survive. Proposed changes within and outside psychiatry. A book with the potential to inspire critical change, Schizophrenia is a Misdiagnosis is necessary reading for psychologists, psychiatrists, psychiatric nurses, social workers, primary care physicians, family practitioners, and neurologists.

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P.N. Lara, Jr., University of California School of Medicine, Sacramento, CA, USA; E. Jonasch, University of Texas MD Anderson Cancer Center, Houston, TX, USA (Eds.)

Kidney Cancer
Principles and Practice

Kidney Cancer: Principles and Practice is an interdisciplinary textbook that encompasses all clinically relevant aspects of the disease and is designed to be as user-friendly as possible in order to meet the needs of the busy practitioner. To this end, the informative text is complemented by helpful boxed sections that present essential ‘take home’ points and patient-oriented cases demonstrating the clinical application of elements discussed in the chapter in question. Original high-quality images, some in color, are included whenever necessary to simplify particularly complex material. The authors are an international group of acknowledged experts in kidney cancer epidemiology, molecular biology, pathology, diagnosis, clinical features, staging, prognostic and predictive factors, surgery, systemic therapy, and emerging investigational approaches, among others. This clinically oriented volume will be of great interest to clinicians, researchers, residents, and fellows, as well as to students and knowledgeable lay people.

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A.J. Larner, Walton Centre for Neurology and Neurosurgery, Liverpool, UK

Dementia in Clinical Practice: A Neurological Perspective
Studies in the Dementia Clinic

Dementia in Clinical Practice: A Neurological Perspective addresses neurological contributions to the diagnosis and management of dementia through a longitudinal examination of the work undertaken in dedicated neurological dementia clinics. This concise, pragmatic handbook covers: The use of cognitive screening instruments and their diagnostic utility. The use of non-cognitive (functional, behavioural, neurovegetative) screening instruments and their diagnostic utility. The use of other diagnostic investigations: neuroimaging, neuropathology. The diagnostic mix in terms of both neuropsychological syndromes and neurological diagnoses. The use of conventional treatments for dementia. The impact of national directives (e.g. NICE, National Dementia Strategy) on day-to-day clinical practice. Dementia in Clinical Practice: A Neurological Perspective is an illustrated, practical resource for medical professionals involved in the assessment and management of dementia patients. It is of particular benefit to neurologists, psychiatrists, geriatricians, primary care practitioners and those working in the fields of neuropsychology, psychology, occupational therapy, speech and language therapy and nursing.

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2012. XVIII, 237 p. 17 illus., 5 in color. Softcover
978-1-4471-2361-3
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Medical Response to Major Incidents and Disasters
A Practical Guide for All Medical Staff

Disaster medicine is constantly gaining in importance owing to the impact of a variety of trends, including the rising global population, increased levels of travel, increasing production and transport of hazardous material, the development of global terrorism, and the increasing likelihood of disasters due to climatic changes. Additional skills are needed to respond effectively to the emergencies that arise from these developments, yet the available textbooks are mainly theoretical and provide limited practical advice and few methodological guidelines. This book, written by members of the core faculty responsible for European courses on Medical Response to Major Incidents (MRMI), is designed to redress the balance by providing a practical guide that covers the full range of disaster scenarios and is relevant to all medical staff. It combines within one comprehensive volume, in an easily accessible format, the entire spectrum of knowledge from command and coordination through to the management of individual casualties. Central importance is attached to the key component of decision making by explaining what needs to be done for patients in particular situations and the required order and timing of treatment measures. Simplified methods receive due attention, as it is often necessary for medical staff to administer primary treatment outside of their own specialty. This book will prove an invaluable aid to all who may be involved in the response to major accidents and disasters, including medical and nursing students, ambulance crew, and military personnel as well as medical specialists.

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2012. XXIV, 412 p. 179 illus., 176 in color. Hardcover
978-3-642-21894-1 ►99,95 €

S. Lennquist, University of Linköping, Sweden (Ed.)

Technical Basis of Radiation Therapy
Practical Clinical Applications

This well-received book, now in its fifth edition, is unique in providing a detailed description of the technological basis of radiation therapy. Another novel feature is the collaborative writing of the chapters by North American and European authors. This considerably broadens the book’s perspective and increases its applicability in daily practice throughout the world. The book is divided into two sections. The first covers basic concepts in treatment planning, including essential physics and biological principles related to time-dose-fractionation, and explains the various technological approaches to radiation therapy, such as intensity-modulated radiation therapy, tomotherapy, stereotactic radiotherapy, and high and low dose rate brachytherapy. Issues relating to quality assurance, technology assessment, and cost-benefit analysis are also reviewed. The second part of the book discusses in depth the practical clinical applications of the different radiation therapy techniques in a wide range of cancer sites. All of the chapters have been written by leaders in the field. This book will serve to instruct and acquaint teachers, students, and practitioners in the various fields of oncology with the basic technological factors and approaches in radiation therapy.

More on www.springer.com/978-3-642-11571-4
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2012. XV, 1148 p. 530 illus., 318 in color. (Radiation Oncology) Hardcover
978-3-642-11571-4 ►299,00 €

R.A. Levy, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA; J.S. Ablon, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA; H. Kächele, International Psychoanalytic University, Berlin, Germany (Eds.)

Psychodynamic Psychotherapy Research
Evidence-Based Practice and Practice-Based Evidence

Psychodynamic Psychotherapy Research: Evidence-Based Practice and Practice-Based Evidence continues the important work of the first book published in 2009 by Humana Press (Handbook of Evidence-Based Psychodynamic Psychotherapy: Bridging the Gap Between Science and Practice). This landmark text presents in one volume significant developments in research, including neuroscience research, in psychodynamic psychotherapy by a team of renowned clinician-researchers. The demand for ongoing research initiatives in psychodynamic psychotherapy from both internal and external sources has increased markedly in recent years, and this volume continues to demonstrate the efficacy and effectiveness of a psychodynamic approach to psychotherapeutic interventions in the treatment of psychological problems. The work in this volume is presented in the spirit of ongoing discussion between researchers and clinicians about the value of specific approaches to specific patients with specific psychiatric and psychological problems. Multiple forms of treatment interventions have been developed over the past fifty years, and this volume makes clear, with firm evidence, the authors’ support for the current emphasis on personalized medicine. Groundbreaking and a major contribution to the psychiatric and psychologic literature, Psychodynamic Psychotherapy Research: Evidence-Based Practice and Practice-Based Evidence provides firm grounding for advancing psychodynamic psychotherapy as a treatment paradigm.

More on www.springer.com/978-1-60761-791-4
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2012. XXIII, 646 p. 51 illus., 18 in color. (Current Clinical Psychiatry) Hardcover
978-1-60761-791-4 ►179,95 €

G. Li, Columbia University, New York, NY, USA; S.P. Baker, Johns Hopkins University, Baltimore, MD, USA (Eds.)

Injury Research
Theories, Methods, and Approaches

Injury Research: Theories, Methods, and Approaches Guohua Li and Susan Baker, editors. From the long-held popular belief, “accidents will happen,” it is now recognized that this needn’t be the case. More and more, injury is being seen as no accident, not only predictable, but preventable—and an important public health issue requiring rigorous study and multiple levels of intervention. To this end, Injury Research: Theories, Methods, and Approaches assembles a team of multidisciplinary experts from around the globe. Early chapters provide a solid foundation for gathering injury data and monitoring trends. Research methods and injury-reduction approaches gleaned from public health, medicine, engineering, behavioral science, and other areas demonstrate both the intricacies of causation and the potential for intervention. The result is an authoritative and comprehensive reference relevant across professional fields, geared toward fruitful collaborations.Injury Research is a bedrock text
for graduate students and researchers in public health, medicine, biomechanical engineering, safety engineering, and behavioral science working in injury control, violence prevention, emergency medical services, trauma care, risk assessment, accident investigation and litigation, traffic safety, home safety, vehicle and product design, patient safety, health promotion, and public policy. Professionals working in health departments, the insurance sector, health economics, environmental engineering, civil engineering, urban planning, law enforcement, and criminal justice should find it important reading as well.

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Diffusion MRI Outside the Brain

A Case-Based Review and Clinical Applications

Diffusion MRI allows indirect estimation of the perfusion and cellularity of normal and abnormal tissues and has conventionally been used in the brain in order to evaluate ischemia, tumors, and other conditions. Application in other parts of the body has been hampered by the occurrence of motion and susceptibility artifacts. However, recent advances in MR technology are overcoming these hurdles, allowing the use of diffusion MRI in organs outside the brain. In this book, the authors present cases drawn from daily clinical practice to illustrate the role of diffusion sequences, along with other morphological and functional MRI information, in the work-up of a variety of frequently encountered oncological and non-oncological diseases. Breast, musculoskeletal, whole-body, and other applications are covered in detail, with careful explanation of the pros and cons of diffusion MRI in each circumstance. Quantification and post-processing are discussed, and advice is provided on how to acquire state of the art images, and avoid artifacts, when using 1.5- and 3-T magnets. Applications likely to emerge in the near future, such as for screening, are also reviewed. The practical approach adopted by the authors, combined with the wealth of high-quality illustrations, ensures that this book will be of great value to practitioners.

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Basic Electrocardiology

Cardiac Electrophysiology, ECG Systems and Mathematical Modeling

New edition of the classic complete reference book for cardiologists and trainee cardiologists on the theory and practice of electrocardiography, one of the key modalities used for evaluating cardiology patients and deciding on appropriate management strategies.


Electrocardiology

Comprehensive Clinical ECG

New edition of the classic complete reference book for cardiologists and trainee cardiologists on the theory and practice of electrocardiography, one of the key modalities used for evaluating cardiology patients and deciding on appropriate management strategies.

complications while affording results equal to those soft tissue dissection and minimizing soft tissue damage, as described in detail in this text. Avoiding extensive dissection of tissue is a priority in developing less invasive methods of surgery, and pioneers in foot and ankle surgery who share their experience and knowledge and tools to approach these cases with confidence. Redo cardiac surgeries are challenging cases with a myriad of influential factors, ranging from the patient’s pathophysiology to the skill of the previous surgeon. Redo Cardiac Surgery in Adults, 2nd Edition clearly outlines practical approaches, surgical techniques, and management of associated conditions such as perioperative stroke and acute kidney injury. It covers the spectrum of redo cardiac operations, including coronary artery bypass, mitral valve repair, reoperation for prosthetic mitral valve endocarditis, aortic arch reoperation, ascending and thoracoabdominal aortic reoperation, and reoperations following endovascular aortic repair. All redo cardiac surgeries present a complex array of challenges beyond what the original procedure demands. This book, written by an outstanding group of prominent physicians, will give the reader the knowledge and tools to approach these cases with confidence.

Imaging of Gynecological Disorders in Infants and Children

This textbook provides a comprehensive review of gynecological imaging in infancy, childhood, and adolescence. Experts from the disciplines of pediatric radiology, gynecology, surgery, and endocrinology have come together to produce a textbook that, while written primarily from the perspective of the radiologist, will be of interest to all professionals involved in the management of these patients. The normal development of the female reproductive tract is described in detail through embryological development, normal childhood appearances, and puberty. Congenital abnormalities are addressed in chapters reviewing structural abnormalities of the reproductive tract and disorders of sex development. A symptoms-based approach is followed in chapters devoted to the assessment of the patient with gynecological pain and disorders of menstruation. Disorders of the breast and the imaging of patients with gynecological neoplasia are considered in dedicated chapters. The specialty of pediatric gynecology is evolving rapidly, drawing on the skills and expertise of professionals from a wide range of specialties. This textbook should prove valuable to all who are involved in this new field of medicine.

Minimally Invasive Surgery of the Foot and Ankle

Minimally Invasive Surgery of the Foot and Ankle is a collection of procedures presented by experts and pioneers in foot and ankle surgery who share an interest in developing less invasive methods of treating disorders of the foot and ankle. Procedures described in detail in this text avoid extensive soft tissue dissection and minimize soft tissue complications while affording results equal to those reported using traditional extensile exposures. These less invasive techniques may minimize post-operative stiffness and pain and shorten operative times and hospital stays. The minimally invasive procedures are not discussed in isolation; instead, they are compared and contrasted with open and arthroscopic methods. Moreover, the concise written text is complemented by a generous assortment of useful clinical photos, diagrams, and imaging studies.

Handbook of Headache

Practical Management

Headache disorders are one of the most common disorders of the nervous system. They are pandemic and, in many cases, they can be recurrent and can accompany the patient for the whole life. These disorders impose a substantial burden on headache sufferers, on their families and on society itself; the individual impact is measured by the frequency and severity of attacks, while the societal burden is measured in terms of loss of activity at work or school, as well as of costs for the national health systems. As a matter of facts, headaches are in the top ten - and possibly in the top five - causes of disability worldwide: they are therefore extraordinarily common. Population-based studies have so far mostly focused on migraine, which, even if most frequently studied, is not the most common headache disorder. Other types of headache, such as the more prevalent trigeminal autonomic cephalalgia and sub-types of the more disabling chronic daily headache, have for the moment received less attention and need to be better investigated. This book will provide a useful tool to a wide medical population, who is required specific skills to diagnose and manage these frequent and often disabling disorders. Furthermore, for medical students it could also represent a compendium focused on a topic that is usually introduced through multidisciplinary university programs.

Neonatal Cranial Ultrasonography

Cranial ultrasonography is the most accessible, patient friendly, and cheapest neuroimaging technique on the neonatal ward. It provides
Transfusion Medicine
Case Studies and Clinical Management

Transfusion Medicine: Case Studies and Clinical Management is an excellent way to illustrate current thinking about how to manage common transfusion medicine problems. The case studies and their accompanying commentaries provide a practical and enjoyable way to learn. Transfusion medicine emerged as a clinical discipline in its own right comparatively recently, having historically been a laboratory-based specialty. Its position among other clinical disciplines is peculiar: it belongs into haematology as much as into obstetrics; into surgery, or intensive care medicine, as much as into immunology; it has an important role in organ transplantation just as it does in acute trauma management. The physician specializing in transfusion medicine needs to understand the human body in its integrity, in health and in disease. Transfusion medicine is a holistic specialty par excellence. It also bridges the gap between the laboratory bench, where arcane serological problems can now be explained by means of molecular methods, and direct therapeutic application, such as in apheresis techniques. This book is recommended this book as a valuable resource to raise interest in the subject of transfusion medicine and, more importantly, improve the quality of care provided to patients.

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Frozen Section Library: Breast

The Frozen Section Library series provides concise, user-friendly, site specific handbooks that are well illustrated and highlight the pitfalls and differential diagnosis issues that arise in the hurried frozen section scenario. Frozen Section Library: Breast provides an easy reference and pocket book about the nuances of adequately handling breast specimens in a fashion that meets the increasingly complex environment of breast pathology. The pros and cons of frozen section versus use of touch imprint as well as related quality assurance requirements are addressed. Other less common uses of intraoperative evaluation, such as diagnosis and margin evaluation are described. The volume includes recommended guidelines for evaluation and documentation of specific gross pathologic features, in conjunction with radiological imaging. Techniques and protocols for such examinations are illustrated. The volume closes with an overview of the newly published guidelines for handling a variety of breast specimens, which are intended to be used for assessment of predictive factors. Syed K. Mohsin, M.D. is the Head of Breast Pathology and Medical Director, Immunohistochemistry, Riverside Methodist Hospital, Columbus, OH, USA

More on www.springer.com/978-1-4614-0717-1

Online orders shipping within 2-3 days.

2012. XI, 112 p. 125 illus., 116 in color. (Frozen Section Library, Vol. 9) Softcover 978-1-4614-0717-1
►99,95 €

Handbook of Pain and Palliative Care

Biobehavioral Approaches for the Life Course

Handbook of Pain and Palliative Care: Biobehavioral Approaches for the Life Course Rhonda J. Moore, editor Chronic pain sends millions to doctors every year—yet for many, due to professional caution, incomplete assessment, or other reasons, their treatment is less than adequate in relieving their suffering. With the rise of integrative perspectives and the emphasis on overall quality of life rather than discrete symptoms, pain management is gaining importance across medical disciplines. The Handbook of Pain and Palliative Care meets the needs of this growing field by taking both a biobehavioral and a lifespan approach to understanding long-term and chronic pain and intervening to improve patients’ optimal functioning. Rich in clinical diversity, chapters explore emerging areas of interest (computer-based interventions, fibromyalgia, stress), ongoing concerns (cancer pain, low back pain), and special populations (pediatric, elders, veterans). This coverage provides readers with a knowledge base in assessment, treatment, and management that is up-to-date, practice-strengthening, and forward-looking. Subject areas featured in the Handbook Patient/practitioner communication. Assessment tools and strategies. Common pain conditions across the lifespan. Biobehavioral mechanisms of chronic pain. Pharmaceutical, neurological, and rehabilitative interventions. Psychosocial, complementary/alternative, narrative, and spiritual approaches. Ethical issues and future directions. The Handbook of Pain and Palliative Care stands out as a one-stop reference for a range of professionals, including health practitioners specializing in pain management or palliative care, clinical and health psychologists, public health professionals, and clinicians and administrators in long-term care and hospice.

More on www.springer.com/978-1-4419-1650-1

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2012. XXVI, 865 p. 58 illus., 32 in color. Hardcover 978-1-4419-1650-1
►399,00 €

S.K. Mohsin, Riverside Methodist Hospital, Pathology Department, Columbus, OH, USA

A. Mijovic, Kings College London, UK

Important information on brain maturation in the (preterm) neonate and enables the detection of frequently occurring brain anomalies in both preterm and full term neonates. Furthermore, it can be repeated as often as is necessary. In this second edition of Neonatal Cranial Ultrasonography, the focus is on the basics of the technique, from patient preparation through to screening strategies and the classification of abnormalities. Many new ultrasound images have been included to reflect the improvements in image quality since the first edition. Essential information is provided about both the procedure itself and the normal ultrasound anatomy. Standard technique using the anterior fontanelle as the acoustic window is described and illustrated, but emphasis is also placed on the value of supplementary acoustic windows. The compact design of the book makes it an ideal and handy reference that will guide the novice but also provide useful information for the more experienced practitioner.

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Interventional Oncology
A Practical Guide for the Interventional Radiologist

Interventional Oncology is a fast-growing new field, as well as an emerging specialty. Many minimally-invasive, imaging-guided procedures seem set to replace more traditional open surgical techniques of treating solid tumors in a variety of organs. The aim of this book is to describe new interventional radiological methods in a succinct and practical form. Diagnostic radiological considerations relevant to the selection and follow-up of patients are also covered. The book begins with an overview of the basic principles of current interventional techniques, including thermal ablation, high intensity focused ultrasound, and embolization. Later chapters focus on tumors of the liver, kidney, lung, and bone, placing new interventional techniques in context by referring to the surgical and oncologic methods of treating the same conditions. With an emphasis on best practices, Interventional Oncology: A Practical Guide for the Interventional Radiologist will serve as a definitive guide to practicing physicians involved in this rapidly evolving field.

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2012. X, 190 p. 75 illus., 25 in color. Hardcover
978-1-4419-1468-2 ►129,95 €

Interventional Management of Penile Cancer

The surgical management of penile cancer is shifting towards increasingly refined methods, as it is believed that a proportion of patients undergo overtreatment for the disease. Where traditionally the management of penile cancer has involved partial or total penectomy combined with radical inguinal lymphadenectomy, over the last few years the treatment involves conservative penile reconstructive surgery such that sexual function and phallic length is preserved. Furthermore, the increasing utilization of sentinel lymph node biopsy rather than radical inguinal lymphadenectomy prevents the unnecessary removal of lymph nodes in patients where lymph node metastases has not occurred. There is also likely to be a change in the role of chemotherapy and radiotherapy for advanced disease. Textbook of Penile Cancer covers the epidemiology, molecular biology, radiological imaging, as well as the latest surgical advances in the treatment of this disease. This book is a valuable reference tool for Urologists, Genitourinary Physicians, Trainee Surgeons, Plastic Surgeons, Oncologists, Dermatologists and Sexual Health Physicians.

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2011. X, 322 p. 29 illus., 24 in color. (Current Clinical Pathology) Hardcover
978-1-60761-432-6 ►179,95 €

Molecular Diagnostics in Dermatology and Dermatopathology

Molecular Diagnostics in Dermatology and Dermatopathology presents the basics of molecular biology and molecular diagnostic methods most commonly used in the clinical laboratory, with an emphasis on the concepts and testing most relevant to dermatological diseases. Topics include the integration of newer diagnostic and prognostic techniques with ‘traditional’ histologic approaches, and discussions of regulatory, ethical, legal, economic issues and ‘newer’ techniques. This important diagnostic tool outlines the clinically relevant uses (i.e., diagnostic, staging and/or prognostic) applications of these techniques in the field of dermatology. Molecular studies that investigate the pathogenesis of skin diseases will be excluded, unless they also have a direct diagnostic utility. The book will be of interest to practicing pathologists, dermatology and pathology residents, dermatologists, and dermatopathologists.

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2011. X, 322 p. 29 illus., 24 in color. (Current Clinical Pathology) Hardcover
978-1-60761-170-7 ►159,95 €
PET-CT: Rare Findings and Diseases

PET-CT is increasingly being employed in the diagnosis of both oncological and non-oncological patients, yet nuclear medicine physicians may have only limited practical experience of rare diseases. Furthermore, the more frequent use of PET-CT scans is accompanied by an increasing likelihood of encountering rare findings that may be difficult to recognize and interpret. Against this background, this unique atlas documents a large number of clinical cases that will help practitioners to identify findings and diseases that, though rare, are sufficiently frequent to be encountered in routine practice. Two types of cases are presented: patients evaluated for rare diseases and patients evaluated for standard diseases in whom atypical collateral PET findings were detected. Each reported case includes a brief description of the clinical history, representative color PET-CT images obtained using FDG or other tracers, a short explanation of the disease and findings, and, when necessary, relevant references. This atlas will enable them to make conclusive reports of PET-CT scans is accompanied by an increasing likelihood of scans that would otherwise have been inconclusive!

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2012. IX, 288 p. 138 illus., 137 in color. Softcover
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Ultrasound and Carotid Bifurcation Atherosclerosis

Ultrasound and Carotid Bifurcation Atherosclerosis provides a comprehensive overview of the most recent advancements in instrumentation, imaging techniques including the use of contrast enhancement agents, plaque image analysis and its automation, elastography and plaque motion analysis; also, the use of ultrasonic and other biomarkers in the detection of the high risk cardiovascular individual. Finally, it deals with the application of IVUS, TCD and carotid plaque characterization in clinical practice and in stroke risk stratification. Ultrasound and Carotid Bifurcation Atherosclerosis is intended for all those working in the field of atherosclerosis, ultrasound imaging and cardiovascular risk, including the clinician, the vascular ultrasonographer, the epidemiologist, the molecular biologist, the biomedical engineer and the informatics scientist. Furthermore, this book bridges the gap between the researcher and the clinician, who is keen to incorporate the latest results of research to his daily practice.

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978-1-84882-687-8 ★ 179,95 €

Surgical Intensive Care Medicine

This second edition of the popular “Surgical Intensive Care Medicine” textbook has been specifically designed to be a practical reference for medical students and house officers to help manage the critically ill surgical patient. The first section is titled “Resuscitation” and exposes the reader to a condensed version of generic topics in primary intensive care medicine. The sections that follow have been categorized according to medical and surgical subspecialties and cover the most germane of problems encountered in a tertiary surgical intensive care unit. For the second edition, the editors and authors have thoroughly revised every chapter, with the same evidence-based orientation as the first edition. The chapter authors are experts from around the world, bringing the multi-disciplinary nature critical practice and the necessary diversity of opinion and approach. This edition is more heavily illustrated to elucidate complex concepts–operative photos, imaging, and clinical illustrations abound.

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2010. XXIII, 722 p. 194 illus., 62 in color. Hardcover
978-0-387-77892-1 ★ 159,95 €

Special offer valid until March 31, 2012 ★ 76,95 €
Sex and Gender Aspects in Clinical Medicine

Prior to 2000, gender medicine was not a popular term, but in the past 10 years and analogue to the growth in the need to consider Personalised Medicine, it has become hugely important to understand that “women are not small men”. There is no more doubt that clinical manifestations of prevalent diseases differ in women and men and this is at least partially due to sex differences in pathophysiology. While the majority of diagnostic and therapeutic strategies were aimed at males 30 years ago, endocrine and reproductive systems were the logical areas for the observation of the effects of gender on medicine. It has been known for some time that women and men differ in diseases such as diabetes and various cardiovascular syndromes, which has pushed research in these directions. Nevertheless, it is still a challenge to define gender medicine clearly, since it is characterized by an unbiased comparison between women and men and the inclusion of gender as a sociocultural process into medical hypotheses. It includes the recognition of biological differences among women and men, i.e. sex differences, but goes well beyond this. Sex and Gender Aspects in Clinical Medicine defines the concepts and practical clinical meaning of gender medicine. As such it is a highly complex yet hugely important reference for all professional medical personnel, from clinicians in cardiology, endocrinology, oncology, reproductive medicine, diabetology, rheumatology, plus also a number of specialists who deal with pharmacotherapy, pathophysiology, genomics, as well as researchers investigating any of the above disciplines. Many medical authors use gender as an inclusive term that can include the biological notion of sex as well as the sociocultural notion of gender. In this book, the Editors use sex and gender in their more stringent sense. If a clear distinction is not possible gender is used in a broader sense to include biological phenomena The US Institute of Medicine declared in its 2001 and 2010 statements that being biological phenomena is used in a broader sense to include possible gender is used in a broader sense to include biological phenomena as well as the sociocultural notion of gender. In this book, the Editors use sex and gender in their more stringent sense. If a clear distinction is not possible gender is used in a broader sense to include biological phenomena. The US Institute of Medicine declared in its 2001 and 2010 statements that being is a woman or being a man significantly influences the course of diseases. Gender medicine aims at better management and treatment of both women and men, and this book is an ideal reference for anyone wanting to understand the intricate relationship between gender and health.

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2012. XI, 201 p. 29 illus., 27 in color. Hardcover
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Minimally Invasive Spine Surgery
A Practical Guide to Anatomy and Techniques

Minimally Invasive Spine Surgery: A Practical Guide to Anatomy and Techniques is a beautifully illustrated text describing the 18 most widely accepted minimally-invasive procedures in spine surgery. Written by leaders in both neurologic and orthopedic spine surgery, this book offers the most up-to-date material and the broadest perspective on the subject. Procedures range from simple to complex and cover the cervical, thoracic and lumbar regions of the spine. Chapter topics include: image-guided spinal navigation, posterior cervical instrumentation and fusion, thoracoscopic deformity correction, facet joint and epidural injections, discography and endoscopic lumbar discectomy, transfemoral lumbar interbody fusion (TLIF), anterior lumbar interbody fusion (ALIF), iliac crest bone graft harvest and fusion techniques.

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A Primer of Neuroimmunological Disease

A Primer of Neuroimmunological Disease is a significant new resource for anyone interested in conditions such as multiple sclerosis (MS), myasthenia gravis, and neurological infections. It is a practical and balanced guide to the diagnosis and treatment of neuroimmunological disease. A Primer of Neuroimmunological Disease distinguishes itself by providing a range of features not generally included in texts on neuroimmunology. These include broad presentation of information in the form of figures and tables; strong cohesion among topics by focusing on a few prototypic neuroimmunological diseases, which serve as a foundation from which to explore other neuroimmunological diseases; a single author perspective, with references across chapters; and a focus on the overlap between neuroimmunological and neuroinfectious diseases. Neurologists, immunologists, infectious disease specialists, neuroscientists and others interested in neuroimmunological diseases such as MS will find A Primer of Neuroimmunological to be a state-of-the-art resource.

More on www.springer.com/978-1-4614-2187-0
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2012. XV, 208 p. 54 illus., 31 in color. Hardcover
978-1-4614-2187-0
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Family and HIV/AIDS

Cultural and Contextual Issues in Prevention and Treatment

Three decades into the HIV pandemic, the goals remain clear: reduce the number of infections, improve the health outcomes of those who are infected, and eliminate disparities in care. And one observation continues to gain credence: families are a powerful resource in preventing, adapting to, and coping with HIV. Recognizing their complex role as educators, mentors, and caregivers, Family and HIV/AIDS assembles a wealth of findings from successful prevention and intervention strategies and provides models for translating evidence into effective real-world practice. Chapters spotlight the differing roles of mothers and fathers in prevention efforts, clarify the need for family/community collaborations, and examine core issues of culture, ethnicity, gender, and diagnosis (e.g., minority families, adolescents with psychological disorders). Throughout, risk reduction and health promotion are shown as a viable public health strategy. Among the topics covered: The family as the model for HIV prevention. The role of settings in family-based prevention of HIV/STDs. Couples-based HIV prevention and treatment. Parents as agents of HIV prevention for gay, lesbian, and bisexual youth. Promoting family-focused evidence-based practice in HIV/AIDS care. Families and HIV medical adherence. A reference with considerable utility across the health, mental health, and related disciplines, Family and HIV/AIDS will be a go-to resource for practitioners working with families, researchers studying at-risk populations, administrators seeking to create new (or evaluate existing) prevention and care programs, and policymakers involved in funding such programs. From Jose Szapocznik, Ph.D., Executive Dean for Research and Research Training Chair, Department of Epidemiology and Public Health, Miller School of Medicine, University of Miami. The editors and authors are to be commended for bringing together an impressive amount of findings on the role of families in preventing and addressing HIV infection. The book documents the tremendous progress in this program of research since the publication of Working with Families in the Era of AIDS in 2000. While the book is focused on ethnic minority families and HIV, the strategies have application for all families coping with a range of chronic diseases and should be tremendously useful for research, public health care providers, and policymakers.


Usually dispatched within 3 to 5 business days.

2012. XIV, 364 p. 7 illus. Hardcover
978-1-4614-0438-5

▶ 59,95 €

Rheumatology of the Upper Limbs in Clinical Practice

Rheumatology of the Upper Limbs in Clinical Practice is a comprehensive and easy-to-use training tool for practitioners to refine their strategy for clinical investigation and differential diagnosis in regional syndromes of the shoulder, elbow, forearm, wrist and hand. It combines instructive sections, providing anatomical information and various causes of particular symptoms. Case studies recreate the clinical setting by presenting the details of the case and giving an opportunity for the reader to make a diagnosis. The text is lavishly illustrated in full color, with detailed photos of patient examinations, complemented by radiographs and full-color line illustrations. The text also benefits from the use of summaries using colored boxing to identify key points in diagnosis and management. Written by two of the biggest and most respected clinicians in the discipline, this book will be essential reading for rheumatologists in practice and training.

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978-1-4471-2252-4

▶ 44,95 €

Digital Imaging and Communications in Medicine (DICOM)

A Practical Introduction and Survival Guide

This is the second edition of a very popular book on DICOM that introduces this complex standard from a very practical point of view. It is aimed at a broad audience of radiologists, clinical administrators, information technologists, medical students, and
applicants. The book provides a gradual, down to earth introduction to DICOM, accompanied by an analysis of the most common problems associated with its implementation. Compared with the first edition, many improvements and additions have been made, based on feedback from readers. Whether you are running a teleradiology project or writing DICOM software, this book will provide you with clear and helpful guidance. It will prepare you for any DICOM projects or problem solving, and assist you in taking full advantage of multifaceted DICOM functionality.

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2012. XXI, 417 p. 131 illus., 129 in color. Hardcover
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L.E. Ponsky, University Hospitals Case Medical Care Center, Cleveland, CA, USA; D.B. Fuller, San Diego CyberKnife Center, CA, USA; R.M. Meier, Swedish Cancer Institute at Northwest Hospital, Seattle, WA, USA; C. Ma, Fox Chase Cancer Center, Philadelphia, PA, USA (Eds.)

Robotic Radiosurgery Treating Prostate Cancer and Related Genitourinary Applications

Prostate cancer is the most common cancer among North American and European men, but its treatment continues to be problematic owing to serious side-effects, including erectile dysfunction, urinary incontinence, and potential lower GI complications. Robotic radiosurgery offers a novel, rapid, non-invasive outpatient treatment option for prostate cancer that combines robotics, advanced image-guided motion detection, and automated real-time corrective spatial positioning with submillimeter precision. This book examines all aspects of the treatment of prostate cancer with robotic radiosurgery. After introductory sections on radiosurgery as a multidisciplinary practice and specific issues relating to prostate cancer, the important challenge posed by prostate motion when administering radiation therapy is examined in depth, with detailed discussion as to how image-guided robotic radiosurgery overcomes this problem by continuously identifying the precise location of the prostate throughout the course of treatment. A further major section is devoted to a discussion of techniques and potential radiobiological and clinical advantages of hypofractionated radiation delivery by means of robotic radiosurgery systems. The book closes by discussing other emerging genitourinary applications of robotic radiosurgery. All of the authors are experts in their field who present a persuasive case for this fascinating technique.

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2012. XX, 245 p. 55 illus., 39 in color. Hardcover
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V. Powell, Department of Computer and Information Systems, Clinical Data Integration Project, Robert Morris University, Moon Township, PA, USA; F.M. Din, HP Enterprise Services, Global Healthcare, Camp Hill, PA, USA; A. Acharya, Marshfield Clinic Research Foundation / Biomedical Informatics Research Center (MCRF/BIRC), Marshfield, WI, USA; M.H. Torres-Urquidy, University of Pittsburgh, PA, USA (Eds.)

Integration of Medical and Dental Care and Patient Data

This is the story of a simple idea (the mouth is part of the body) and what it means in the context of the complexities in healthcare organization, care delivery, provider education, and care reimbursement, along with recommendations. Integration of Medical and Dental Care and Patient Data seeks to optimize the delivery of healthcare by stating why isolated components of healthcare delivery need to work together, by asserting how health information technology (HIT) can help these components collaborate to improve care quality and patient safety, by documenting how existing barriers stand in way of interdisciplinary collaborative practice supported by HIT, and by recommending how to remove such barriers. The book will be of immense interest to all involved in the management of dental and medical informatics systems while providing illuminating instruction to dental professionals to help them understand the considerable challenges and extensive benefits of a cohesive electronic dental record.

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2012. XXXIV, 418 p. 109 illus., 71 in color. (Health Informatics, Vol. 3) Hardcover
978-1-4471-2184-8 ►59,95 €

V.R. Preedy, King’s College London, London, UK (Ed.)

Handbook of Growth and Growth Monitoring in Health and Disease

Growth is one of the human body’s most intricate processes: each body part or region has its own unique growth patterns. Yet at the individual and population levels, growth patterns are sensitive to adverse conditions, genetic predispositions, and environmental changes. And despite the body’s capacity to compensate for these developmental setbacks, the effects may be far-reaching, even life-long. The Handbook of Growth and Growth Monitoring in Health and Disease brings this significant and complex field together in one comprehensive volume: impact of adverse variables on growth patterns; issues at different stages of prenatal development, childhood, and adolescence; aspects of catch-up growth, endocrine regulation, and sexual maturation; screening and assessment methods; and international perspectives. Tables and diagrams, applications to other areas of health and disease, and summary points help make the information easier to retain. Together, over 180 self-contained chapters in 15 sections cover every area of human growth, including: Intrauterine growth retardation. Postnatal growth in normal and abnormal situations. Cells and growth of tissues. Sensory growth and development. Effects of disease on growth. Methods and standards for assessment of growth, and more. The Handbook of Growth and Growth Monitoring in Health and Disease is an invaluable addition to the reference libraries of a wide range of health professionals, among them health scientists, physicians, physiologists, nutritionists, dieticians, nurses, public health researchers, epidemiologists, exercise physiologists, and physical therapists. It is also useful to college-level students and faculty in the health disciplines, and to policymakers and health economists.


Usually dispatched within 3 to 5 business days.

2012. CLXXI, 3164 p. 953 illus. In 3 volumes, not available separately. Hardcover
978-1-4419-1794-2 ►699,00 €
Handbook of Anthropometry
Physical Measures of Human Form in Health and Disease

Although its underlying concept is a relatively simple one—the measurement of the human body and its parts—anthropometry employs a myriad of methods and instruments, and is useful for a variety of purposes, from understanding the impact of disease on individuals to tracking changes in populations over time. The first interdisciplinary reference on the subject, the Handbook of Anthropometry brings this wide-ranging field together: basic theory and highly specialized topics in normal and abnormal anthropometry in terms of health, disease prevention, and intervention. Over 140 self-contained chapters cover up-to-date indices, the latest studies on computerized methods, shape-capturing systems, and bioelectrical impedance, data concerning single tissues and whole-body variables, and reports from different areas of the world. Chapters feature helpful charts and illustrations, cross-references to related chapters are included, and key points are presented in bullet form for ease of comprehension. Together, the Handbook’s thirteen sections entail all major aspects of anthropometrical practice and research, including: - Tools and techniques - Developmental stages, from fetus to elder - Genetic diseases, metabolic diseases, and cancer - Exercise and nutrition - Ethnic, cultural, and geographic populations - Special conditions and circumstances. The Handbook of Anthropometry is an invaluable addition to the reference libraries of a broad spectrum of health professionals, among them health scientists, physicians, physiologists, nutritionists, dieticians, nurses, public health researchers, epidemiologists, exercise physiologists, and physical therapists. It is also useful to college-level students and faculty in the health disciplines, as well as to policymakers and ergonomists.

More on www.springer.com/978-1-4419-1787-4

Mitochondrial Dysfunction in Neurodegenerative Disorders

As age related diseases increase in prevalence and impact more significantly on medical resources it is imperative to understand these diseases and the mechanisms behind their progression. New research has stimulated a growing interest in mitochondrial involvement in neurodegenerative disorders such as Parkinson’s disease, Alzheimer’s disease and multiple sclerosis and the mechanisms which lead from mitochondrial dysfunction to neurodegeneration. Mitochondrial Dysfunction in Neurodegenerative Disorders brings together contributions from leaders in the field internationally on the various ways in which mitochondrial dysfunction contributes to the pathogenesis of these diseases, guiding the reader through the basic functions of mitochondria and the mechanisms that lead to their dysfunction, to the consequences of this dysfunction on neuronal function before finishing with the modelling of these disorders and discussion of new potential therapeutic targets. Mitochondrial Dysfunction in Neurodegenerative Disorders provides an accessible, authoritative guide to this important area for neurologists; research and clinical neuroscientists; neuropathologists; and residents with an interest in clinical research.

More on www.springer.com/978-3-642-03518-0

Sjögren’s Syndrome
Diagnosis and Therapeutics

Sjögren’s Syndrome: Diagnosis and Therapeutics provides a thorough, multisystemic overview of the clinical manifestations of Sjögren’s Syndrome. It contains chapters pertinent across the range of medical specialties that may encounter Sjögren’s Syndrome cases. Chapters are specialty-specific, for easy reference by the relevant medical specialist. In addition to being a diagnostic guide, Sjögren’s Syndrome: Diagnosis and Therapeutics includes a section on prognosis and outcomes of Sjögren’s Syndrome patients and provides an exhaustive therapeutic update, focused on new agents and experimental techniques. The inclusion of diagnostic/therapeutic algorithms illustrates the text with clinical photographs of the main organs involved and helps the reader to make guided diagnostic and therapeutic decisions through decision-based algorithms.

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Sepsis Management
PIRO and MODS

This book is unique in approaching multiple organ dysfunction syndrome (MODS) from the perspective of its pathophysiological mechanism, and addressing aspects that are overlooked in most of the available literature. Eminent experts in the field from Europe and beyond offer new insights into risk stratification, severity assessment, and management of critically ill patients with sepsis. The principal focus is on recently developed concepts in infection management and in antibiotic use, bearing in mind that in these patients the pharmacokinetics of antibiotics are altered, affecting renal clearance and requiring dosage adjustments. The significance of the PIRO (predisposing factors, infection, response, organ dysfunction) model in the development of effective treatment strategies is emphasized. This book will be of interest and value to all who are involved in the treatment of, or research into, sepsis and MODS.

More on www.springer.com/978-3-642-03518-0
Infection Control in the Intensive Care Unit

Intensive care is a rapidly changing area of medicine; this third edition of "Infection Control in the Intensive Care Unit” has the same format as the previous one but covers a wider scope of infection prevention, from lower airways to bloodstream. This edition condenses and updates the information of the previous edition, with the addition of new tables and figures, and contains two completely new chapters on microcirculation and mechanisms of action behind the efficacy of Selective Decontamination of the Tract. SDD is an antimicrobial prophylaxis to prevent severe infections that has been proved to reduce inflammation; there is now evidence that SDD using parenteral and enteral antimicrobials reduces rather than increases antimicrobial resistance. Latest results are here taken into account; 10 new randomised controlled trials and 2 recent meta-analyses with endpoints of multiple organ failure and resistance. The outbreak chapter is substantially reduced and builds on the previous issue; it now includes polyclonality within outbreaks. This up-to-date and comprehensive study will be welcomed by intensive care specialists, clinical microbiologists, infection disease specialists and clinical pharmacists who wish to learn about the most recent discoveries and advances in infection control. It will also be of interest to advanced undergraduates wanting to learn more about the subject.

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Diagnostic, Prognostic and Therapeutic Value of Gene Signatures

Gene expression studies have revealed diagnostic profiles and upregulation of specific pathways in many solid tumors. The explosion of new information in gene expression profiling could potentially lead to the development of tailored treatments in many solid tumors. In addition many studies are ongoing to validate these signatures also in predicting response to hormonal, chemotherapeutic and targeted agents in breast cancer as well as in other tumors. Diagnostic, Prognostic and Therapeutic Value of Gene Signatures provides readers a useful and comprehensive resource about the range of applications of microarray technology in oncological diseases. Topics covered include gene signatures and soft tissue sarcomas, prognostic relevance of breast cancer signatures, gene expression profiling of colorectal cancer and liver metastasis, gene signatures in GISTs, CNVs and gene expression profiles in pancreatic cancer, and gene signatures in head/neck, lung and gastric tumors. Diagnostic, Prognostic and Therapeutic Value of Gene Signatures will be of great value to residents and fellows, physicians, pathologists and medical oncologists.

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2012. XI, 182 p. 28 illus., 24 in color. (Current Clinical Pathology, Vol. 0) Hardcover 978-1-61779-357-8
▶139,95 €

Inborn Metabolic Diseases

Diagnosis and Treatment

Being up to Date: Status Quo and Trends of Treatment For those involved in the identification and management of patients with inborn errors of metabolism, this book is now recognised as the standard textbook in this interdisciplinary field. It has proved to be indispensable for professionals in specialities ranging from pediatrics, neonatology, pathological biochemistry and genetics to neurology, internal medicine, nursing, dietetics and psychology. This 5th edition has been extensively revised and updated. What’s new Additional chapter focusing on inborn errors affecting adults, particularly the late neurological presentations– Numerous updates on diagnostic procedures and treatment– Newly discovered disorders.

As with previous editions, the book opens with a section presenting the clinical approach to inborn metabolic diseases for those cases in which a diagnosis is being sought. This now includes a chapter on the clinical presentation of metabolic diseases in the older age range, using an analogous structure. If a particular diagnosis is already suspected, the reader may refer to the following sections of the book containing general chapters on diagnostic procedures and treatment, and on specific groups of disorders. As with earlier editions, the chapters have been written by authors who are internationally recognised experts on their subjects. They provide information in a clear, relevant and concise manner using a coherent structure.

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2012. XXVIII, 656 p. 87 illus. Hardcover 978-3-642-15719-6
▶159,95 €
end emergency radiology that are indispensable for a timely management approach. Numerous high-quality images, diagrams, and easy-to-read tables are provided.

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2012. VII, 300 p. 250 illus., 111 in color. Hardcover
978-88-470-2512-7
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Emergencies in Pediatric Oncology

Pediatric oncology is a considerably complex discipline requiring frequent need for reference material. Emergencies in Pediatric Oncology meets this objective by serving as a concise, practical resource for the hurried physician. Replete with diagrams and written in a clear, succinct style, this title offers an easy-to-read guide especially useful for residents, fellows, and nurses. Providing an overview of the epidemiology of childhood cancer and the history of its treatment, this title also addresses a range of key problems in the pediatric oncologic setting, covering the most common emergencies and providing short, practical guidelines on how to handle them. Written by authorities from an array of disciplines, this helpful resource provides answers and concrete guidance and is a valuable contribution to the literature in pediatric oncology.

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2012. VIII, 215 p. 198 illus., 98 in color. Softcover
978-1-4614-0892-5
▶ 59.95 €

Rare Tumors In Children and Adolescents

This is the first book to be devoted exclusively to rare tumors in children and adolescents, and its aim is to provide up-to-date information on their diagnosis and clinical management. The opening section of the book addresses general issues including epidemiology, risk factors/etiology, biology and genetics, prevention, early detection, and screening. It also discusses solutions to assist in the management of rare tumors, such as international networking and internet platforms, thus providing the reader with access to the developing clinical network for rare tumors in children. In the second section, specific malignancies are described, with practical guidance on diagnostic workup, multimodal therapy, survival outcome, follow-up, and adverse effects. These chapters are organized by site according to the clinician’s approach to the patient. Each chapter includes an introduction to the differential diagnostic assessment of tumors at the site in question, encompassing both frequent and rare tumor types. This approach should enable the clinician to take rare entities into account during the diagnostic assessment, so that the initial diagnostic steps are performed optimally. Each chapter goes on to provide detailed therapeutic guidelines for specific rare tumors. The authors are a multidisciplinary group of specialists who have dedicated themselves to this group of tumors. This well-illustrated book will prove an invaluable source of information for all pediatricians and oncologists faced with the often difficult task of diagnosing and treating rare tumors in the pediatric age group.

More on www.springer.com/978-3-642-04196-9
Online orders shipping within 2-3 days.
2012. X, 547 p. 174 illus., 138 in color. (Pediatric Oncology) Hardcover
978-3-642-04196-9
▶ 179,95 €

Minimally Invasive Surgery in Orthopedics

Knee Handbook

Minimally Invasive Surgery in Orthopedics: Knee Handbook contains all of the valuable chapters from Section III (The Knee) and selections from Section IV (Computer Navigation) of Scuderi and Tria’s 2010 hardcover reference. Newly available in this convenient and affordable softcover format, this book covers minimally invasive procedures and techniques for the knee as well as computer navigation and robotics. The book is fully illustrated with more than one hundred pictures and clearly written for ease of understanding. Surgeons, residents and fellows alike will find this thorough and focused paperback invaluable.

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2012. VIII, 215 p. 198 illus., 98 in color. Softcover
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External Fixation in Orthopedic Traumatology

External fixation in Orthopedic traumatology is a textbook that focuses on the use of external fixation in the acute management of patients with serious orthopaedic injuries. The book highlights the indications for external fixation and provides an evidenced based guide to both the specialist orthopedic surgeon and the trainee. The manuscript is organized in 14 chapters covering the indications and surgical techniques for pelvis, lower limb and upper limb injuries, including detailed illustrations and clinical photographs that will enable the reader to rapidly visualize the structure of the construct and to plan the surgery accordingly. More general topics such as damage control orthopedics, the biomechanics of external fixation and medicolegal considerations surrounding the injured patients are also included to provide an overall picture of the Orthopedic trauma patient. The combined experience of the editors and authors, their involvement in a number of external fixation system designs and their international reputation in the field contribute to making this textbook an essential tool that should be available to all orthopaedic surgeons dealing with injured patients.


Online orders shipping within 2-3 days.

2012. XIV, 228 p. 119 illus., 70 in color. Hardcover
► 139,95 €

STOP, THAT and One Hundred Other Sleep Scales

STOP, THAT and One Hundred Other Sleep Scales represents a unique, practical addition to the literature in sleep medicine. There are at least four reasons why a sleep clinician should be familiar with rating scales that evaluate different facets of sleep. First, the use of scales facilitates a quick and accurate assessment of a complex clinical problem. In three or four minutes (the time to review ten standard scales), a clinician can come to a broad understanding of the patient in question. For example, a selection of scales might indicate that an individual is sleepy but not fatigued; lacking alertness with no insomnia; presenting with no symptoms of narcolepsy or restless legs but showing clear features of apnea; exhibiting depression and a history of significant alcohol problems. Second, rating scales can provide a clinician with an enhanced vocabulary or language, improving his or her understanding of each patient. In the case of the sleep specialist, a scale can help him to distinguish fatigue from sleepiness in a patient, or elucidate the differences between sleepiness and alertness (which is not merely the inverse of the former). Scales provide clinicians with a repertoire of questions, allowing them to draw upon the extensive experience of their colleagues when attempting to tease apart nuanced problems. Third, some scales are helpful for tracking a patient’s progress. A particular patient may not remember how alert he felt on a series of different stimulant medications. Scale assessments administered periodically over the course of treatment provide an objective record of the intervention, allowing the clinician to examine and possibly reassess her approach to the patient.

Finally, for individuals conducting a double-blind crossover trial or a straightforward clinical practice audit, those who are interested in research will find that their own clinics become a source of great discovery. Scales provide standardized measures that allow colleagues across cities and countries to coordinate their practices. They enable the replication of previous studies and facilitate the organization and dissemination of new research in a way that is accessible and rapid. The majority of STOP, THAT and One Hundred Other Sleep Scales is devoted to briefly discussing individual scales. When possible, an example of the scale is provided so that readers may gain a sense of the instrument’s content. Groundbreaking and the first of its kind to conceptualize and organize the essential scales used in sleep medicine, STOP, THAT and One Hundred Other Sleep Scales is an invaluable resource for all clinicians and researchers interested in sleep disorders.

More on www.springer.com/978-1-4419-9892-7

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2012. XII, 421 p. 233 illus., 15 in color. Hardcover
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Forthcoming

K. Sherif, Drexel University College of Medicine, Philadelphia, PA, USA; M. Notelovitz, Adult Women’s Health Alliance, Boca Raton, FL, USA

Hormone Replacement Therapy

A Clinical Handbook

This concise, easy to read title includes a range of key features that differentiate it from other titles on the topic, including: The co-authors are an internist and renowned gynecologist who are leaders in their fields. An interdisciplinary approach is used, acknowledging that sex hormones affect more than reproductive organs and hot flushes for a deeper understanding of how hormones function. The authors provide a breadth and depth of practical prescribing experience, combined with an understanding of the basic science and clinical studies that enriches the text. Demystification of controversial studies in the larger context will make practitioners more comfortable prescribing hormones. Many tables, call-out boxes, and algorithms are provided.

More on www.springer.com/978-1-60327-572-9

Due: July 28, 2012

2012. Approx. 175 p. Softcover
► approx. 45,45 €

Chronic Hepatitis C Virus

Advances in Treatment, Promise for the Future

Chronic Hepatitis C Virus: Advances in Treatment, Promise for the Future documents the monumental advances that have been made in our understanding of chronic HCV during the past decade. The first section reviews the natural history of chronic HCV, how this virus can affect other organs in addition to the liver, and whether treating chronic HCV alters the natural history of this disease. Section 2 reviews the advances that have been made in the treatment of chronic HCV during the past decade with interferon based therapy. Separate chapters on response guided therapy and how to manage the adverse events associated with these medications provide the physician with the concepts required to more effectively treat chronic HCV now and in the future. As the genetics of virologic response have recently been elucidated, a chapter is devoted to helping the clinician understand how genes that modulate disease processes and their treatment are identified and utilized in clinical care. Section 3 deals with the future of HCV treatment and specific inhibitors of HCV.

M.L. Shiffman, Bon Secours Health System Richmond, VA, USA (Ed.)
Specific chapters explain how targets for drugs are identified and how drugs are then developed and tested; how mutations of HCV develop and how antiviral agents will affect this process; the most up to date data regarding the treatment of chronic HCV with peginterferon, ribavirin and antiviral agents; and the potential to treat chronic HCV with just oral antiviral agents and without peginterferon and ribavirin in the future. The final section of this book covers issues related to liver transplantation in patients with chronic HCV. Separate chapters review the natural history of chronic HCV in liver transplant recipients and the impact of utilizing HCV positive donors. The volume concludes with chapters that cover the treatment of chronic HCV both prior to and after liver transplantation with potent antiviral agents. Chronic Hepatitis C Virus: Advances in Treatment, Promise for the Future is a valuable resource for all physicians caring for patients with chronic HCV.

More on www.springer.com/978-1-4614-1191-8

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2012. XVI, 332 p. 53 illus., 37 in color. Hardcover
978-1-4614-1191-8
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A.A.F. Sima, Wayne State University, Detroit, MI, USA (Ed.)

Diabetes & C-Peptide
Scientific and Clinical Aspects

In Diabetes & C-Peptide: Scientific and Clinical Aspects, a renowned group of leading researchers and physicians offer a comprehensive overview of the role of C-Peptide in type 1 diabetes. The book is organized in five sections. An Introductory section provides the background and key features of C-peptide’s physiological function and how its deficiency contributes to complications. The second section describes up-to-date information on the biochemical and molecular actions of C-peptide, including membrane binding, interactions with insulin as well as the interaction between C-peptide and zinc and effects on microvascular vasoreactivity. The third section summarizes in vivo animal studies of the type 1 diabetic complications. The fourth section reviews the clinical efforts of C-peptide on inflammation, cardiovascular complication, neuropathy and nephropathy. Finally, in the Conclusions section, a summary of the present state of C-peptide, outstanding questions, and the likely direction of the field are offered. Developed by the foremost investigators in the rapidly moving field of C-peptide research, Diabetes & C-Peptide: Scientific and Clinical Aspects is an important contribution to the literature for all researchers and physicians concerned about type 1 diabetes.


Usually dispatched within 3 to 5 business days.

2012. XIII, 169 p. 63 illus., 35 in color. (Contemporary Diabetes, Vol. 0) Hardcover
978-1-61779-390-5
►139,95 €

E. Silvestri, Ospedale Evangelico Internazionale, Genova, Italy; A. Muda, Azienda Ospedaliera Universitaria “San Martino”, Genova, Italy; L.M. Sconfienza, IRCCS Policlinico San Donato, Milano, Italy

Normal Ultrasound Anatomy of the Musculoskeletal System
A Practical Guide

The book provides a comprehensive description of the ultrasound anatomy of the musculoskeletal system and clear guidance on the technique. Ultrasound images are coupled with anatomical pictures explaining probe positioning and scanning technique for the various joints of the musculoskeletal system: shoulder, elbow, hand and wrist, hip, knee, foot, and ankle. For each joint there is also a brief explanation of normal anatomy as well as a list of tricks and tips and advice on how to perform the ultrasound scan in clinical practice. This book will be an excellent practical teaching guide for beginners and a useful reference for more experienced sonographers.

More on www.springer.com/978-88-470-2456-4

Online orders shipping within 2-3 days.

2012. X, 142 p. 160 illus. in color. Softcover
978-88-470-2456-4
►59,95 €

H. Singh, Penn State College of Medicine, Hershey, PA, USA; J.A. Neutze, Penn State College of Medicine, Hershey, PA, USA (Eds.)

Radiology Fundamentals
Introduction to Imaging & Technology

Radiology Fundamentals is a concise introduction to the dynamic field of radiology for medical students, non-radiology house staff, physician assistants, nurse practitioners, radiology assistants, and other allied health professionals. The goal of the book is to provide readers with general examples and brief discussions of basic radiographic principles and to serve as a curriculum guide, supplementing a radiology education and providing a solid foundation for further learning. Introductory chapters provide readers with the fundamental scientific concepts underlying the medical use of imaging modalities and technology, including ultrasound, computed tomography, magnetic resonance imaging, and nuclear medicine. The main scope of the book is to present concise chapters organized by anatomic region and radiology sub-specialty that highlight the radiologist’s role in diagnosing and treating common diseases, disorders, and conditions. Highly illustrated with images and diagrams, each chapter in Radiology Fundamentals begins with learning objectives to aid readers in recognizing important points and connecting the basic radiology concepts that run throughout the text. It is the editors’ hope that this valuable, up-to-date resource will foster and further stimulate self-directed radiology learning—the process at the heart of medical education.

More on www.springer.com/978-1-4614-0943-4

Online orders shipping within 2-3 days.

2012. XVIII, 362 p. 88 illus., 43 in color. Softcover
978-1-4614-0943-4
►39,95 €
Quick Guide to the Management of Keratoconus

A Systematic Step-by-Step Approach

This book, designed for ophthalmologists and particularly for refractive surgeons, aims to establish a new, systematic approach to keratoconus and to develop practical and clinical skills in readers so that they are able to make the right decisions in managing keratoconus. There are four main chapters. The first is devoted to diagnosis and describes the clinical signs, the appearances on confocal and specular microscopy, and the significance of corneal hysteresis and corneal topography. Classifications and patterns of keratoconus are then presented and appraised, and the author offers his own new classification of topographic patterns. The third chapter addresses the management of the disease in detail. Both non-interventional and interventional approaches are discussed with due attention to contraindications and complications. In addition, a novel classification of management parameters is suggested, and a systematic approach to management, formulated. In the final chapter this approach is applied to nine cases that serve as clinical examples and will assist readers in assessing and treating patients.

More on www.springer.com/978-3-642-21839-2

Ultrasound of the Thyroid and Parathyroid Glands

This highly illustrated book, complete with comprehensive clinical references and annotated images, will serve as a leading text to educate head and neck surgeons, endocrinologists, and radiologists on the basics and nuances of thyroid and parathyroid ultrasound. It emphasizes the use of ultrasound as an office-based modality by clinicians and radiologists who actively care for this special set of patients. This text uniquely combines the collaboration between a clinician/surgeon and radiologist who share their extensive experience in head and neck ultrasound.

More on www.springer.com/978-1-4614-0973-1

Telemedicine in Dermatology

Written by leading teledermatologists and telemedicine experts, this hands-on guide addresses the practical needs of the many emerging telemedicine services worldwide. It: • Covers the medical and technical prerequisites for such services as well as the photographic imaging essentials • Illustrates the performance of telemedicine by way of clinical examples • Discusses telemedicine in underdeveloped countries • Presents specialized methods of teledermatology • Explores the impact of telemedicine on the doctor-patient relationship • Explains the advantages that accrue from improving access to expert knowledge • Pays careful attention to quality assurance, legal assumptions, economic aspects, and the future horizons of such health care services. • Includes a comprehensive appendix comprising education and training opportunities, sample protocols, consent forms, information sheets, references, and relevant web links • This guide is a must-have for all those who treat patients with inflammatory and neoplastic skin diseases.

More on www.springer.com/978-3-642-20800-3

Pathology and surgery around the vertebral artery

This is the first comprehensive book about surgery on and around the vertebral artery all along its cervical and intracranial course. This vessel has been considered for long as out of surgical reach leaving many different pathologies not or incompletely treated. The surgical exposure and control of the
vertebral artery not only permit to treat lesions of the vertebral artery wall or developed in contact to it but also to improve the access to the intervertebral foramen (tumors, osteophytes), to the anterior aspect of the spinal cord (tumors, spondylotic spurs), to the foramen magnum and to the jugular foramen. This book written by leading experts includes all aspects of vertebral artery surgery from anatomy to imaging, surgical techniques and pathologies; it is illustrated by many figures especially operative views and schematic drawings so that the beginner as well as the experienced surgeon find useful information. One of the editors of this book (B. GEORGE) was recently awarded the Olivecrona award for his work on the surgery of the vertebral artery.


Online orders shipping within 2-3 days.

2012. XVI, 674 p. Hardcover
978-2-287-89786-3
►290,00 €

A. Steptoe, University College of London, UK (Ed.)

Handbook of Behavioral Medicine Methods and Applications

Handbook of Behavioral Medicine Methods and Applications Andrew Steptoe, Editor From assessment technologies to clinical trials, and from the biobehavioral to the psychosocial, behavioral medicine continues to diversify. This sophisticated understanding of health and illness, and its real-world applications, is taking on an increasingly global significance resulting in great advances on the diagnostic, prevention, and intervention fronts. At the same time, new public health concerns (e.g., obesity, stress) are driving the field in promising new directions. The Handbook of Behavioral Medicine surveys established and emerging investigative areas, plus their clinical and research applications, across the range of the discipline. Written by esteemed fellows of the Academy of Behavioral Medicine Research, this comprehensive resource is designed for long-term practicality, reflecting the current evolution toward integrative, multidisciplinary medicine.

Focusing on methodologies and applications across medical conditions rather than discrete symptoms and syndromes, the Handbook offers authoritative, innovative coverage in these core areas: Genetic processes. Behavioral processes and measures. Psychological processes and measures. Social and interpersonal processes. Biological measures and biomarkers. Behavioral and psychosocial interventions. Plus epidemiological perspectives, life course approaches, cutting-edge statistical methods, and the latest advances in neuroscience and neuroimaging. This wide-ranging scope will benefit a broad cross-section of professional readers, including behavioral medicine researchers in health psychology, psychiatry, clinical medicine, nursing, human physiology and immunology, epidemiology, and public health; and practitioners in behavioral medicine and health education. In addition, the Handbook of Behavioral Medicine is essential reading for graduate and doctoral students in behavioral medicine and health psychology.

More on www.springer.com/978-1-4419-6483-0

Due: November 29, 2011

2010. XXIV, 1073 p. Softcover
978-1-4419-6483-0
►89,95 €

Biomaterials for Surgical Operation

Biomaterials for Surgical Operation offers a review of the latest advances made in developing bioabsorbable devices for surgical operations which include surgical adhesives (sealants), barriers for the prevention of tissue adhesion, polymers for fractured bone fixation, growth factors for the promotion of wound healing, and sutures. Over the years, many descriptions of biomaterials have appeared in academic journals and books, but most of them have been devoted to limited clinical areas. This is in marked contrast with this volume which covers a wide range of bioabsorbable devices used in surgery from a practical point of view. The currently applied polymeric devices are critical in surgery, but all involve serious problems due to their poor performance. For instance, fibrin glue, the most widely used surgical sealant, can produce only a weak gel with low adhesive strength to tissues, accentuating the limited effectiveness of current treatment options. Likewise, the currently available barrier membranes cannot fully prevent tissue adhesion at the acceptable level and are, moreover, not easy to handle with endoscopes due to their poor mechanical properties. Biomaterials for Surgical Operation is aimed at those who are interested in expanding their knowledge of how the problems associated with the currently used devices for surgical operation can be solved. It primarily focuses on the absorbable biomaterials which are the main components of these medical devices.

More on www.springer.com/978-1-4614-0687-7

Online orders shipping within 2-3 days.

2012. XIV, 148 p. 129 illus. in color. Softcover
978-1-4614-0687-7
►39,95 €

N.P. Sánchez, University of Puerto Rico, PR, USA (Ed.)

Atlas of Dermatology in Internal Medicine

Atlas of Dermatology in Internal Medicine is the only concise text-atlas to cover the most common and most important cutaneous manifestations of systemic disease in children and adults. It features more than 150 clinical photographs that are accompanied by format-driven, clinically focused text on the diagnosis and management of cutaneous manifestations of connective tissue, pulmonary, renal, GI, endocrine, malignant, infectious, and HIV disease. There is also a separate chapter on skin diseases commonly seen in the ICU. A special feature is its systematic coverage of clinically relevant dermatopathology. The book is a helpful tool for physicians and trainees in internal medicine, family medicine, pediatrics, emergency medicine, and critical care medicine, as well as family, emergency, and critical care nurse practitioners.

More on www.springer.com/978-1-4614-0687-7

H.M. Tabery, Malmö University Hospital UMAS, Malmö, Sweden

Adenovirus Epithelial Keratitis and Thygeson’s Superficial Punctate Keratitis

In Vivo Morphology in the Human Cornea

Adenovirus epithelial keratitis and Thygeson’s superficial punctate keratitis (TSPK) are apparently disparate diseases. While adenovirus eye infections are very common, caused by a known agent, and highly infectious, TSPK is comparatively rare, of unknown causation, and seemingly non-contagious. Despite these differences, the two diseases are often confused in clinical practice owing to the similarity between adenovirus epithelial infiltrates and ‘coarse’ epithelial TSPK lesions. This book presents the morphological features, dynamics, and sequelae of...
Sports Injuries
Prevention, Diagnosis, Treatment and Rehabilitation

In recent years, research studies into sports injuries have provided healthcare professionals with a better understanding of their etiology and natural history. On this basis, novel concepts in the diagnosis and management of these conditions are now being explored. This timely book offers a complete guide to the latest knowledge on the diagnosis and treatment of the full range of possible sports injuries. Individual sections are devoted to biomechanics, injury prevention, and the still emerging treatment role of growth factors, which foster more rapid tissue healing. Sports injuries of each body region are then examined in detail, with special attention to diagnostic issues and the most modern treatment techniques. In addition, pediatric sports injuries, extreme sports injuries, the role of physiotherapy, and future developments are extensively discussed. All who are involved in the care of patients with sports injuries will find this textbook to be an invaluable, comprehensive, and up-to-date reference.

More on www.springer.com/978-3-642-21633-6
Online orders shipping within 2-3 days.
2012. X, 131 p. 148 illus. in color. Hardcover
978-3-642-21633-6
▶99,95 €

M.N. Doral, University of Hacettepe, Ankara, Turkey (Ed.)

Nuclear Medicine Imaging: An Encyclopedic Dictionary

The rapidly growing and somewhat complex area of nuclear medicine imaging receives only limited attention in broad-based medical dictionaries. This encyclopedic dictionary is intended to fill the gap. More than 400 entries of between one and three paragraphs are included, defining and carefully explaining terms in an appropriate degree of detail. The dictionary encompasses concepts used in planar, SPECT, and PET imaging protocols and covers both scanner operations and popular data analysis approaches. In spite of the mathematical complexities in the acquisition and analysis of images, the explanations given are kept simple and easy to understand; in addition, many helpful concrete examples are provided.

J.A. Thie, University of Tennessee, Knoxville, TN, USA

An Encyclopedic Dictionary will be ideal for those who wish to obtain a rapid grasp of a concept beyond a definition of a few words but do not want to resort to a time-consuming search of the reference literature. The almost tutorial-like style accommodates the needs of students, nuclear medicine technologists, and varieties of other medical professionals who interface with specialists within nuclear medicine.

More on www.springer.com/978-3-642-25034-7
Usually dispatched within 3 to 5 business days.
2012. VIII, 301 p. 9 illus. Softcover
978-1-4614-0178-0
▶44,95 €

D.S. Tichansky, MD, FACS, Associate Professor of Surgery, Director, Minimally Invasive and Bariatric Surgery, Thomas Jefferson University, Philadelphia, PA, USA; J. Morton, MD, MPH, Associate Professor, Stanford School of Medicine, Stanford, CA, USA; D.B. Jones, Professor, Harvard Medical School, Chief, Section of Minimally Invasive Surgery, Beth Israel Deaconess Medical Center, Boston, MA, USA (Eds.)

The SAGES Manual of Quality, Outcomes and Patient Safety

The SAGES Manual of Quality, Outcomes and Safety concisely summarizes important concepts to improve patient care at a systems level. While the focus is on advanced laparoscopy and innovative technology, the principles and examples in this book can be useful across disciplines and subspecialties. The volume sheds light on issues and behaviors that can be useful across disciplines and subspecialties. The volume sheds light on issues and behaviors that can be useful across disciplines and subspecialties.

More on www.springer.com/978-1-4419-7900-1
Usually dispatched within 3 to 5 business days.
2012. XXVIII, 597 p. 37 illus., 28 in color. Softcover
978-1-4419-7900-1
▶59,95 €

S.J. Tepper, Cleveland Clinic, OH, USA; D.E. Tepper, Cleveland Clinic, OH, USA (Eds.)

The Cleveland Clinic Manual of Headache Therapy

The Cleveland Clinic Manual of Headache Therapy is a hands-on, practical guide to diagnosis, work-up, and treatment of common headache disorders. Each chapter is written by a Cleveland Clinic Headache Center care provider. The book uses an evidence-based approach to sift through the wealth of available data and identify the most appropriate treatments. This manual is aimed at practicing neurologists and pain specialists, fellows and residents, and also primary care physicians. The Cleveland Clinic Manual is the most trusted source on this ever expanding and developing topic.

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Usually dispatched within 3 to 5 business days.
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J.A. Thie, University of Tennessee, Knoxville, TN, USA

S. Doral, University of Hacettepe, Ankara, Turkey (Ed.)

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 ways diabetes affect the eye. With the plethora of new information being generated, there are still a series of fundamental questions that must be addressed if effective treatments for diabetic retinopathy are to be found and applied. Developed by a renowned group of authorities, Visual Dysfunction in Diabetes: The Science of Patient Impairment and Improvement offers responses and context for a range of questions, such as: do metabolic factors beyond glucose contribute to vision-threatening diabetic retinopathy? If so, how do these lead to vision impairment? Is diabetic retinopathy a response to systemic metabolic abnormalities or are there unique ocular problems related to insulin resistance? What is the relationship between the neural, vascular, and inflammatory abnormalities in diabetic retinopathy? Do they represent a pathological cascade induced sequentially or simultaneous responses to one or more metabolic perturbations? The authors note that if we do not address these types of questions, it is possible that the long process of developing new therapeutics will target only one arm of the pathology and leave the retina open to damaging consequences of the others. State-of-the-art, comprehensive, and an invaluable addition the research and clinical literature, Visual Dysfunction in Diabetes: The Science of Patient Impairment and Improvement offers guidance and a significant step toward new scientific approaches that can lessen the devastating vision impairment associated with diabetes. More on www.springer.com/978-1-60761-149-3

Usually dispatched within 3 to 5 business days.
2012. XV, 379 p. 72 illus., 51 in color. (Ophthalmology Research) Hardcover 978-1-60761-149-3 ►159,95 €

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**Laparoscopic Entry**

**Traditional Methods, New Insights and Novel Approaches**

Laparoscopic Entry: Traditional Methods, New Insights And Novel Approaches discusses traditional methods of laparoscopic surgery, new devices, laparoscopic entry in difficult patients, robotic assisted surgery access, single port entry, gasless access, transvaginal entry and natural orifice surgery. This book illustrates, through the presentation of techniques, methods, photos, images, drawings and pictures, all the possible methods of laparoscopic entry for endoscopic surgeons, either for laparoscopy or for robotics. Laparoscopic Entry: Traditional Methods, New Insights And Novel Approaches describes problems and criticisms of each method and highlights common and rare complications. Written by experts in the field, this book also includes tips and tricks, which can be tailored to each patient, making it a valuable reference tool for gynecologists, urologists, vascular and general surgeons.

More on www.springer.com/978-0-85729-979-6

Online orders shipping within 2-3 days.

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**Visual Dysfunction in Diabetes**

**The Science of Patient Impairment and Health Care**

An exciting contribution to the field, Visual Dysfunction in Diabetes: The Science of Patient Impairment and Improvement is designed with two overriding objectives: to help readers understand the impact of vision impairment in people living daily with diabetes rather than considering diabetic retinopathy solely as a medical problem, and to explore what we know and don’t know about the

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**Physicians’ Pathways to Non-Traditional Careers and Leadership Opportunities**

Increasingly, physicians are leveraging their medical training and expertise to pursue careers in non-traditional arenas. Their goals are diverse: Explore consulting as a way to improve patient care—Lay the foundation for a career in academic medicine—Provide leadership in healthcare—Strengthen ties between a clinic and the community—Broaden one’s experience as a medical student—As a journalist or writer, open a window onto medicine for non-experts Some physicians will pursue another degree, while others may not, in anticipation of moving into public service, business, education, law, or organized medicine. Their common ground is the desire to enhance their professional fulfillment. Drs. Urman and Ehrenfeld’s book features individual chapters on the wide array of non-traditional careers for physicians, each one written by an outstanding leader in medicine who him- or herself has successfully forged a unique career path. A final chapter brings together fascinating brief profiles – “case studies” – of physicians who have distinguished themselves professionally outside of traditional settings. Suitable for readers at any point in their medical career – practitioners, fellows, residents, and medical students – who want to explore possibilities beyond traditional medical practice, the book also sets out common-sense advice on
topics such as work-life balance, mentorship, and the relationship between personality and job satisfaction.

More on www.springer.com/978-1-4614-0550-4

Usually dispatched within 3 to 5 business days.

2012. XV, 235 p. 451 illus., 374 in color. Spiral binding
978-3-642-23531-3
►39,95 €

J.C. Vilanova, MRI Department, Clínica Girona, Spain; A. Luna, Clínica las Nieves, Jaén, Spain; P.R. Ros, Case Western University, University Hospitals Case Medical Center, Cleveland, OH, USA (Eds.)

Learning Genitourinary and Pelvic Imaging

This introduction to genitourinary and pelvic radiology is a further volume in the Learning Imaging series. Written in a case-based format, the book is subdivided into ten chapters: kidney; adrenal gland; urinary bladder; collecting system and urethra; prostate and seminal vesicles; scrotum; obstetrics; uterus; cervix and vagina; adnexa and retroperitoneum. Genitourinary radiology has undergone a tremendous change owing to advances in ultrasound, CT and MRI that have redefined our understanding of genitourinary and pelvic pathology. Each chapter includes an introduction and ten case studies with illustrations and comments from anatomical, physiopathological and radiological standpoints and with bibliographic recommendations. Learning Genitourinary and Pelvic Imaging will be of value for radiologists, radiology residents, medical students and anybody else working in genitourinary and pelvic pathology. Learning Imaging is a unique case-based series for those in professional education in general and for physicians in particular.

More on www.springer.com/978-3-642-23531-3

Online orders shipping within 2-3 days.

2012. X, 230 p. 423 illus., 63 in color. (Learning Imaging) Softcover
978-3-642-23531-3
►39,95 €

B.A. Warady, University of Missouri-Kansas City, MO, USA; F. Schaefer, Center for Pediatrics and Adolescent Medicine, Heidelberg, Germany; S.R. Alexander, Stanford University, CA, USA (Eds.)

Pediatric Dialysis

Since the inaugural publication of Pediatric Dialysis in 2004, a wide range of advances have taken place in dialysis-related care, leading to a wealth of new knowledge in the field. Pediatric Dialysis, Second Edition brings this knowledge together to provide the most comprehensive source of state-of-the-art information on the dialysis of infants, children and adolescents. With new chapters, updated chapters and references, and contemporary, unique perspectives from authors who are leaders in the global pediatric nephrology community, Pediatric Dialysis, Second Edition is, once again, an authoritative reference that will facilitate best practices in both acute and chronic dialysis. Experienced clinicians and trainees alike will find Pediatric Dialysis, Second Edition not only another valuable contribution to the literature but an indispensable guide to managing their pediatric patients on dialysis.

More on www.springer.com/978-1-4614-0720-1

Usually dispatched within 3 to 5 business days.

2012. XIX, 807 p. 150 illus., 81 in color. Hardcover
978-1-4614-0720-1

J.C. Varga, Northwestern University, Feinberg School of Medicine, Chicago, IL USA; C.P. Denton, UCL Medical School, London UK; F.M. Wigley, Johns Hopkins School of Medicine, Baltimore, MD USA (Eds.)

Scleroderma

From Pathogenesis to Comprehensive Management

This essential resource presents the most up-to-date information on scleroderma. A clear and concise synthesis of current concepts in pathogenesis and modern approaches to management, this book is comprised of the authoritative work of international experts. With an integrated multidisciplinary approach to comprehensive care, this book is easily accessible for health care professionals in many fields. It is a valuable resource for rheumatologists, pulmonologists, cardiologists, gastroenterologists, nephrologists and all those involved in the care of scleroderma patients.


Online orders shipping within 2-3 days.

2012. XVIII, 689 p. 163 illus., 131 in color. Hardcover
978-1-4419-5773-3
►29,95 €

A. Vegas

Perioperative Two-Dimensional Transesophageal Echocardiography

A Practical Handbook

Transesophageal echocardiography (TEE) is a valuable diagnostic modality now routinely used during cardiac surgery and in the intensive care unit. Increasingly, anesthesiologists trained in TEE provide the service in both settings where they face the challenge of integrating numerous current TEE guidelines into day-to-day practice. Perioperative Two-Dimensional Transesophageal Echocardiography: A Practical Handbook has been designed to be a concise, portable guide for using TEE to recognize cardiac pathology during the perioperative period. This compact guide has a diverse appeal for anesthesiologists, cardiac surgeons, and cardiologists desiring comprehensive up-to-date echocardiographic information at their fingertips. Features: More than 450 full-color, high-quality clinical images and illustrations Synopsis of cardiac pathology commonly encountered in cardiac surgery patients Convenient spiral binding On-the-spot reference for echocardiographers with a wide range of experience, from novice to expert

More on www.springer.com/978-1-4419-9951-1

Online orders shipping within 2-3 days.

2012. XX, 89 p. 71 illus., 57 in color. Softcover
978-1-4419-9950-4
►29,95 €

F.M. Wigley, Johns Hopkins School of Medicine, Baltimore, MD USA (Eds.)
Overactive Bladder in Clinical Practice

Overactive Bladder in Clinical Practice provides a timely and comprehensive update on the overactive bladder (OAB) syndrome. The symptoms of urgency, with or without urge incontinence, usually with frequency or nocturia, now defined as the overactive bladder syndrome, have become a hot topic in urology, gynecology and urogynecology. Epidemiological data show very high disease prevalence (19%), particularly when compared with other chronic conditions such as diabetes (2%) and asthma (7%). OAB symptoms impact severely on patient’s quality of life, causing significant impairment of patient vitality and limiting their physical role, similar to diabetes. The OAB syndrome involves all age groups, both sexes and is frequently found in neurogenic patients. This book will cover all aspects of OAB epidemiology, economics, pathophysiology, conservative, pharmaceutical and surgical and is invaluable reading for residents and trainees in urology, gynecology and urogynecology.


Online orders shipping within 2-3 days.

2012. X, 147 p. 41 illus., 16 in color. Softcover
978-1-84628-830-2
$29.95

Intra-Operative Neuropathology for the Non-Neuropathologist

A Case-Based Approach

This volume acquaints the non-neuropathologist with the advantages of clinical-radiologic-pathologic correlation in neuropathology specimens, particularly in the intra-operative environment. This volume covers the enormous and sometimes insurmountable artifacts involved with freezing tissue, especially central nervous system tissue and how a good cytopathology preparation can add to, or even supply in isolation, a diagnosis. The text presents how to perform, and stain the cytopathologic preparations, and how to interpret them. The advantages and disadvantages of both frozen sections and cytopathologic preparations of various kinds are discussed. The presentation and format is very visual with diagrams, tables (including pearls and pitfalls), and many figures (therefore easy reading). An introductory chapter presents the pros and cons of supplemental cytopathy, the advantages and disadvantages of frozen sections, and the artifacts in both. Also included is an argument for knowing what the scans reveal and the impact of relevant patient history. The volume uses a case-based approach to show correlation between scan, history, frozen section and cytopathologic preparations. With the combination of extensive correlation of scans, cytopathy and frozen section with differential diagnosis, and analysis of the information crucial to the neurosurgeon in a case-based approach and with a special chapter written by a neuroradiologist, this volume is unique in presentation and utility and will be of great value to the trainee in pathology (residents/fellows), and practicing pathologists who include neuropathology in their practice, but do not have formal fellowship training in neuropathology.

More on www.springer.com/978-1-4419-1166-7

Usually dispatched within 3 to 5 business days.

2012. XII, 172 p. 25 illus., 22 in color. Hardcover
978-1-4419-1166-7
$139.95

Critical Issues for the Development of Sustainable E-Health Solutions

Critical Issues for the Development of Sustainable E-Health Solutions Nicol

Wickramasinghe, editor Health care companies want to deliver their services with greater efficiency and cost-effectiveness. Consumers want services that are effective, responsive, convenient, and worth the cost. In response to these demands, web-based and other electronic technologies are revolutionizing health care services. Critical Issues for the Development of Sustainable E-Health Solutions surveys this rapid transformation as it is occurring worldwide. Focusing on new applications in consumer-centered health care in North America, Europe, and Asia, the book demonstrates how electronic innovations can balance business objectives (e.g., low cost, improved performance management) while attending to
consumer needs (e.g., access, quality, and value). Keeping technical jargon to a minimum, chapter authors dissect the impact of e-solutions on both sides of the health care system, and the keys to successful adaptation and sustainability. Facilitators and obstacles to IT changeovers based on economic, cultural, and other factors are identified in detail. And the book warns realistically against the pitfalls of designing and implementing tech-based platforms in systems not yet ready to make such changes. A sampling of topics covered: A strategic model for health care IS design. Online discussion forums as a means of peer support. Improving web accessibility for disabled people. Knowledge management: often neglected yet crucial to e-health. Business models for electronic health care services: examples from Germany. A comprehensive approach to the IT-clinical practice interface. With its wide scope of innovative ideas, Critical Issues for the Development of Sustainable E-Health Solutions is a path-breaking text for health care administrators and researchers in health care management, health policy, and health services. More on www.springer.com/978-1-4614-1535-0

Usually dispatched within 3 to 5 business days.

2012. XXXIII, 385 p. 78 illus. (Healthcare Delivery in the Information Age) Hardcover
978-1-4614-1535-0
►149,95 €

C. J. Zech, Ludwig-Maximilians-University Munich, Germany; C. Bartolozzi, Ludwig-Maximilians-University Munich, Germany; R. Baron, The University of Chicago, IL, USA; M. Reiser, Ludwig-Maximilians-University Munich, Germany (Eds.)

Multislice-CT of the Abdomen

This book provides a lucid summary of modern multislice CT imaging of the abdomen, with a focus on the essential imaging findings. After a concise technical introduction, the most important abdominal diseases are described and illustrated with high-quality images. Sections are devoted to the liver and biliary system, the pancreas and spleen, the kidneys and urogenital system, and the bowel and peritoneal cavity. Throughout, key differential diagnostic features are highlighted. The editorial team is composed of internationally renowned radiologists from Europe and the United States, and all chapters have been written by recognized experts in the topic under consideration. Multislice CT of the Abdomen will serve as an excellent reference for radiologists participating in further professional training and will prove an ideal source of information for all who wish to deepen their personal knowledge of the subject.

More on www.springer.com/978-3-642-17862-7

Due: March 2012

2012. 220 p. 90 illus., 10 in color. (Diagnostic Imaging) Hardcover
978-3-642-17862-7
►approx. 239,00 €
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