Springer

Customized Book List

Medicine
Advances and Technical Standards in Neurosurgery, Vol. 32

This series, sponsored by the European Association of Neurosurgical Societies, has already become a classic. In general, one volume is published per year. The Advances section presents fields of neurosurgery and related areas in which important recent progress has been made. The Technical Standards section features detailed descriptions of standard procedures to assist young neurosurgeons in their post-graduate training. The contributions are written by experienced clinicians and are reviewed by all members of the Editorial Board.

Contents

Fields of interest
Neurosurgery; Neurology; Neuroradiology

Target groups
Clinicians, residents

Type of publication
Monograph

Due July 2007

2007. XV, 267 p. 95 illus., 50 in colour (Advances and Technical Standards in Neurosurgery, Vol. 32) Hardcover

134,95 €
ISBN 978-3-211-47416-7

The Yearbook compiles the most recent developments in experimental and clinical research and practice in one comprehensive reference book. The chapters are written by well recognized experts in the field of intensive care and emergency medicine. It is addressed to everyone involved in internal medicine, anesthesia, surgery, pediatrics, intensive care and emergency medicine.

Contents

Fields of interest
Intensive / Critical Care Medicine; Emergency Services; Internal Medicine

Target groups
Clinicians, practitioners, scientists

Type of publication
Proceedings

Due March 2007

Distribution rights worldwide except for North America

2007. XXXII, 1040 p. 192 illus. (Yearbook of Intensive Care and Emergency Medicine, Annual volumes 2007) Softcover

119,95 €
ISBN 978-3-540-49432-4

Arterial disease and inflammation are fundamental causes of many medical conditions. Recently, there have been several major advances in our understanding of the causes of diseases affecting the heart, lungs, kidneys, skin and blood vessels. The role of endothelial derived growth factors, nitric oxide and other messengers in vascular disease has been more clearly defined. New treatments targeting these molecular disorders are being used with beneficial effects. Further progress depends on a combined approach embracing basic and clinical research so that treatments of common, important diseases can be designed intelligently and logically. "Vascular Complications in Human Disease" presents our understanding of vascular disease, in reviews of the main strands of basic and clinical research written by leading international experts. It also identifies routes for further fruitful research and development. This concise and carefully edited book, avoiding repetition, includes the full spectrum of basic and clinical science.

Features
Unique because it integrates biological processes and clinical manifestations of major vascular conditions in important medical specialities. Edited by senior doctors and researchers with a track record in research, clinical medicine and publishing. Each chapter is written by an internationally respected author in the field and is a "state of the art" review of important parts of basic and clinical science.

Contents
Therapy for Pulmonary Vascular Disease.- Nitric Oxide Axis in Cardio-Pulmonary Disease.- Endothelin Signalling in the Cardiomyocyte.- TGF-beta/BMP Signalling in Pulmonary Vascular Disease.- The Endothelin System in Chronic Kidney Disease.- Endothelial Activation in Inflammation.- Pathogenic Mediators of Vessel Sclerosis.- Control of Interstitial Fluid Homeostasis.- Vascular Complications of Systemic Sclerosis.- Therapeutic Options for Preventing Transplant-Related Progressive Renal and Vascular Injury.- Current State of Medical Therapies for Peripheral Vascular Disease.- Advantages of [...]
Mechanisms of Sepsis-Induced Organ Dysfunction and Recovery

There have been tremendous advances in understanding the cellular mechanisms involved in sepsis and contributing to the development of multiple organ dysfunction and mortality in this setting. The chapters in this book provide up-to-date insights into important pathways that are initiated by sepsis.

Contents

Fields of interest
Intensive / Critical Care Medicine; Emergency Medicine

Target groups
Critical care physicians, physicians-in-training; physicians who manage critically ill patients (trauma surgeons, cardiac surgeons, pulmonary medicine physicians), hospital administrators

Type of publication
Proceedings

Due August 2007

2007. XV, 453 p. 48 illus. (Update in Intensive Care Medicine) Softcover

49,95 €
ISBN 978-3-540-30158-5

Advances in Cardiac Signal Processing

This book deals with the acquisition and extraction of the various morphological features of the electrocardiogram signals. In the first chapters the book first presents data fusion and different data mining techniques that have been used for the cardiac state diagnosis. The second part deals with heart rate variability (HRV), a non-invasive measurement of cardiovascular autonomic regulation. Next, visualization of ECG data is discussed, an important part of the display in life threatening state. Here, the handling of data is discussed which were acquired during several hours. In the following chapters the book discusses aortic pressure measurement which is of significant clinical importance. It presents non-invasive methods for analysis of the aortic pressure waveform, indicating how it can be employed to determine cardiac contractility, arterial compliance, and peripheral resistance. In addition, the book demonstrates methods to extract diagnostic parameters for assessing cardiac function. […]

Contents
Electrocardiogram. - Analysis of Electrocardiograms. - Modelling of Electrocardiogram Signals. - Visualization of Cardiac Health using Electrocardiograms. - Heart Rate Variability: a Review. - Data Fusion of Multimodal Cardiac Signals. - Classification of Cardiac Patient States Using Artificial Neural Networks. - Linear and Nonlinear Analysis of Heart Rate Signals for Different Cardiac States. - Classification of Cardiac Abnormalities using Heart Rate Signals. - Cardiac Health Diagnosis using Heart Rate Variability Signals - A Comparative Study. - Non-Invasive Determination of Blood Pressure […]

Fields of interest
Signal, Image and Speech Processing; Cardiology; Nonlinear Dynamics, Complex Systems, Chaos, Neural Networks; Numerical and Computational Methods in Engineering; Biomedical Engineering

Target groups
Scientific and professional researchers

Type of publication
Monograph

Due April 2007

2007. XXII, 468 p. 268 illus., 13 in color. Hardcover

169,95 €
ISBN 978-3-540-36674-4
Inflammatory Bowel Disease - Diagnostic and Therapeutic Strategies

Inflammatory Bowel Disease - Diagnostic and Therapeutic Strategies is the proceedings of the Falk Symposium 154 held in Moscow, Russia, on June 9–10 2006, and presents the most recent progress in our current understanding of the mechanisms of inflammatory bowel disease, the therapeutic state of the art, and future options of treatment. The first half focuses on the role of the immune system, genetic factors, and intestinal microflora in IBD. The second half provides an evidence-based update on the current therapeutic options and presents future perspectives for the management of IBD. In particular, emphasis is placed on various so-called 'biological' therapies that are opening a whole new therapeutic era. The authors and editors are a selected group of international experts, who contribute their extensive knowledge and expertise in the mechanisms and management of IBD. Because of this, the book will be of equal interest to basic scientists and clinicians.

Features
- Interdisciplinary conference bringing together basic science and clinical applications
- Up-to-date results of research
- Future perspectives of treatment

Contents
- Introduction
- Mechanisms of Inflammation
- Mechanisms of Inflammatory Bowel Disease
- Management of Inflammatory Bowel Disease
- Future perspectives of treatment

Field of interest
- Gastroenterology

Type of publication
- Contributed volume

Due April 2007

Population Mobility and Infectious Disease

Population Mobility and Infectious Disease moves beyond traditional behavioral and demographic theories of disease diffusion to focus on larger issues of social ecology and public health. With a rare-daily occurrence, seen in the literature, it explores the complex and varied roles of mobile, transient, and displaced populations in the worldwide spread of airborne, waterborne, and sexually transmitted infections. The book argues that while biomedical events cause disease, social forces such as poverty and marginalization magnify them by giving them new opportunities to take hold. Population mobility—either voluntary or forced—brings contact between populations with different disease prevalence rates; outbreaks in turn are compounded by inequalities in access to medical care. From Katrina to Darfur, and from influenza to AIDS, an expert panel of health and social scientists bring the socioeconomic context of epidemics into clear focus. Historical perspectives on migration, development, and [...]
Bioarrays: From Basics to Diagnostics

Bioarrays: From Basics to Diagnostics provides an integrated and comprehensive collection of timely articles on the use of bioarray techniques in the fields of biotechnology and molecular medicine. The entire volume is broken into four sections – Bioarray Technology Platforms, Biomarkers and Clinical Genomics, Biomarker Identification Using Clinical Proteomics and Glycomics, and Emerging Technologies in Diagnostics - that create one well-integrated work. Particular emphasis is placed on DNA, protein, and carbohydrate biochips. The volume also looks extensively at oligonucleotides, cDNA, proteins, antibodies, and carbohydrate arrays. Bioarrays: From Basics to Diagnostics will serve as an indispensable reference for graduate students, post-docs, and professors as well as an explanatory analysis for executives and scientists in biotechnology and pharmaceutical companies.

Features
The first book to comprehensively integrate molecular diagnostics and molecular pathology A well-integrated and cohesive collection of timely articles detailing molecular diagnostics Chapters written by a diverse group of experts, some researchers, some physicians, and some technicians

Contents
The Investigation of Tumor Metastasis using cDNA Microarrays. - Reduction in Sample Heterogeneity Leads to Increased Microarray Sensitivity. - Genomics to Identify Biomarkers of Normal Brain Aging. - Gene Expression Profiling for Biomarker Discovery. - Array-Based Comparative Genomic Hybridization: Applications in Cancer and Tuberculosis. - The Regional Specialization of...

Fields of interest
Medicinal Chemistry; Biotechnology; Human Genetics; Cell Biology

Target groups
Graduate students, post-docs, pharma researchers and developments

Type of publication
Contributed volume

Due July 2007

2007. XXII, 270 p. Hardcover
76,95 €
ISBN 978-1-58829-476-0

Behavioral Interventions for Prevention and Control of Sexually Transmitted Diseases

Before AIDS, the role of behavioral interventions in preventing transmission of sexually transmitted diseases was acknowledged in textbooks and journals but rarely promoted effectively in public health practice. Informed by a comprehensive knowledge of behavioral theory, intervention methods, and affected populations, the authors of this important book examine the central role of behavioral interventions in combating STDs. The book addresses the complexities and social contexts of human behaviors which spread STDs, the cultural barriers to STD education (ranging from conservative mores to "stay out of my bedroom" libertarianism), and the sociopolitical nuances surrounding treatment. Over forty contributors offer a practical appraisal of what is being done now and what can be improved, such as: an overview of current behavioral and biomedical interventions for STD prevention and control, a discussion of what works for individuals, groups, and communities, up to date thinking about such traditional [...]
Pediatric Neuropathology
A Text Atlas

Neuropathology is the foundation for understanding developmental neuroscience, pediatric neurology, and neurosurgery, but until now a comprehensive volume covering all aspects of pediatric neuropathology was not available. This atlas is thus a unique, comprehensive reference providing the fundamentals of developmental brain disorders of the nervous system that can affect fetuses, infants and young children, as well as the essentials of diagnosis in developmental brain pathology and neuroimaging. With an emphasis on the characteristic morphology and a concise summary of clinical features, pathogenesis, and genetics, the generously illustrated atlas presents more than 100 disorders, including the common diseases of the peripheral nervous system as well as genetically determined metabolic and storage diseases. This compilation is a valuable resource for pathologists, pediatric neurologists and neurosurgeons, geneticists, neonatologists, radiologists, and pediatricians.

Contents

Fields of interest
Pathology; Neurosurgery; Pediatrics

Type of publication
Atlas

Due July 2007

B. Austin, Heriot-Watt University, Edinburgh, UK; D.A. Austin, Heriot-Watt University, Edinburgh, UK

Bacterial Fish Pathogens
Disease of Farmed and Wild Fish

This 4th, revised edition of Bacterial Fish Pathogens fills the need for an up-to-date comprehensive book on the biological aspects of the bacterial taxa which cause disease in fish. Since the 3rd edition was published in 1999, much has changed in the control of disease of farmed and wild fish. Many more scientific articles about bacterial fish pathogens have been published, describing such new pathogens as Pasteurella skyensis, and antimicrobial compounds for the control of disease have been replaced by alternative methods, such as the use of probiotics. This updated book analyses all the new information, including that on new pathogens and new developments on long established diseases, such as furunculosis and vibriosis. Consideration is given to all of the bacterial taxa which have at some time been reported as fish pathogens, whether they are secondary invaders of already damaged tissue or serious, primary pathogens.

Contents

Fields of interest
Endocrinology; Epidemiology; Reproductive Medicine; General Practice / Family Medicine; Internal Medicine

Type of publication
Monograph

Due April 2007

R. Azziz, The David Geffen School of Medicine at UCLA, Los Angeles, CA, USA (Ed.)

The Polycystic Ovary Syndrome
Current Concepts on Pathogenesis and Clinical Care

Polycystic ovary syndrome (PCOS) is a classic female infertility problem affecting an estimated 6-10% of all women and many of whom are unaware of the problem. PCOS is the single most common endocrinologic abnormality that affects women. It is a disease that affects women from adolescence to menopause. Patients with PCOS are seen by a variety of specialists, including: reproductive, medical and pediatric endocrinologists; general internists, and dermatologists. This book is an edited collection from diagnosis and epidemiology of PCOS to clinical evaluation. There are additional factors that complicate this disease, such as insulin levels and obesity. Women with PCOS are known to be at a high risk for type 2 diabetes.

Contents

Fields of interest
Endocrinology; Epidemiology; Reproductive Medicine; General Practice / Family Medicine; Internal Medicine

Type of publication
Contributed volume

Due July 2007


114,95 €

Polycystic Ovary Syndrome
Current Concepts on Pathogenesis and Clinical Care

R. Azziz, The David Geffen School of Medicine at UCLA, Los Angeles, CA, USA (Ed.)

2007. XXVIII, 572 p. (Environmental Sciences) Hardcover

169,95 €
The Micro-Tomographic Atlas of the Mouse Skeleton provides a unique systematic description of all calcified components of the mouse. It includes about 200 high resolution, two- and three-dimensional micro-CT images of the exterior and interiors of all bones and joints. In addition, the spatial relationship of bones within complex skeletal units (e.g., skull, thorax, pelvis, extremities) is also described. The images are accompanied by detailed explanatory text, thus highlighting special features and newly reported structures. With mice becoming a standard laboratory animal and the rapidly increasing use of micro-CT technology as a key analytical tool in skeletal research, the Atlas fulfills an emerging need for a comprehensive reference to assist both trained and untrained researchers.

**Features**
Detailed images accompanied by explanatory text, which describe the microstructure of the mouse skeleton. So far, a systematic two- and tri-dimensional description of the internal anatomy of bones, as well as the tri-dimensional relationship exhibited in joints, is not available.

**Fields of interest**
Biomedical Engineering; Anatomy; Neurobiology; Developmental Biology; Orthopedics; Biomaterials

**Target groups**
Researchers and students in Biomedical Engineering, including: biomaterials researchers, tissue engineers, orthopedic researchers, musculo and skeletal engineers

**Type of publication**
Atlas

Due September 2007

ISBN 978-3-540-36305-7

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Clinical osteology is now an independent specialty which nevertheless encompasses all branches of medicine and effects each and every one of us: Bone is Every Body’s Business: This book has been designed as an up-to-date manual to deal with the currently recognized indications for bisphosphonates, to outline situations and conditions for prevention of skeletal disorders, and to provide practical guidelines for treatment. It is intended for doctors who seek precise information on bisphosphonates in medical practice to enable them to treat patients with disorders of bone or better still to avoid their occurrence – as the age-old saying has it “prevention is better than cure.” Significant advances have already been made in the first 6 years of the “Bone and Joint Decade” of the new century, it is our hope that this book will contribute to more progress in the same direction.

**Features**
Practical and to-the-point guide for all physicians treating bone disorders. Precise information on all currently recognized indications for bisphosphonates. Focus on prevention of bone disorders

**Contents**

Due July 2007

ISBN 978-3-540-69869-2
Invasive Bladder Cancer

There are two main types of bladder cancer: superficial and invasive. The former is four times more prevalent than the latter. Superficial bladder cancers do not invade the muscle wall while invasive tumors do. Invasive bladder tumors have a propensity to metastasize and spread to other areas of the body and are more likely to be fatal than superficial tumors. Invasive Bladder Cancer presents state-of-the-art diagnoses and treatments available for bladder cancer that has metastasised into the body in a full color book with over 40 tables and 50 illustrations. It gives a comprehensive review of the subject by a distinguished international team covering epidemiology, screening, diagnostic factors, surgery, chemotherapy and post-operative monitoring. As this type of cancer is on the increase it will be of particular interest to urologists, and oncologists with a specialist interest in urology.

Features
Updated, simple overview bridging the information coming from basic research to clinical practice

Contents

Fields of interest
Urology/Andrology; Oncology

Target groups
Office urologists, oncologists specializing in urology

Type of publication
Professional book

Bone Marrow and Stem Cell Transplantation

Molecular Methods: Stem Cell Transplantation presents a compendium of cutting-edge research on the molecular steps involved in hematopoietic stem cell (HSC) activation and self-renewal. The emergence of HLA typing, and the positive impact it has had on the success of clinical transplantation is emphasized and discussed by notable stem cell researchers.

Features
Discussion of HLA typing, PCR-SSP typing, HLA antigens Chapters written by world-renown leaders in the field

Contents
Molecular profiling of hematopoietic stem cells.- Methods for imaging cell fates in hematopoiesis.- An overview on HLA typing for hematopoietic stem cell transplantation.- Sequence Specific Primed PCR (PCR-SSP) Typing of HLA Class I and Class II alleles.- HLA typing with Sequence Specific Oligonucleotide Primed PCR (PCR-SSOP) and use of the LuminesTM technology.- Sequence based HLA typing.- Typing of minor HLA antigens.- Detection and role of non-HLA polymorphisms in stem cell transplantation.- Polymorphisms within epithelial receptors: NOD2/CARD15.- Role of natural killer cells and […]

Fields of interest
Hematology; Cell Biology; Molecular Medicine

Target groups
Hematologists, molecular and cell biologists, microbiologists

Type of publication
Contributed volume

Due June 2007
Laboratory Hemostasis
A Practical Guide for Pathologists

Coagulation testing is the basis for the diagnosis of bleeding and thrombotic disorders, as well as the mainstream of anti-coagulant monitoring and management. The laboratory director requires significant expertise to manage the coagulation laboratory. This expertise includes the selection, validation and harmonization of analyzer/reagent combinations across health care organizations that often include physician offices, point of care testing, hospital laboratories and shared core laboratories. Pathologists are often responsible for managing a healthcare system’s coagulation testing, yet the basics of managing a coagulation laboratory are inadequately addressed in many, if not most, pathology residency training programs. In addition, there is no textbook to which residents or practicing pathologists can refer for assistance. The same can be said for medical technologists or non-pathologist clinicians who find themselves in charge of a coagulation laboratory. This handbook will address the need among [..]

Features
Handbook format Quick reference Useful for board review or targeted questions

Contents

Fields of interest
Pathology; Hematology

Target groups
Pathologists, pathology residents and fellows, senior medical technologists

Type of publication
Handbook

Due May 2007

54,95 €

Ultrasound of the Musculoskeletal System

This book is a comprehensive reference and practical guide on the technology and application of ultrasound to the musculoskeletal system. It is organized into two main sections. The first is devoted to general aspects, while the second provides a systematic overview of the applications of musculoskeletal ultrasound in different areas of the body. Each chapter of the second section provides an introduction on clinical anatomy and the essentials of clinical history and physical examination. Thereafter, performance of the ultrasound study is explained and the normal and pathological anatomy is reviewed. To assist in understanding, the ultrasound scans are correlated with drawings, photographs, images obtained using other modalities, and anatomic specimens. There is a generous complement of high-quality illustrations based on high-end equipment. This book contains a wealth of invaluable information.

Features
A detailed practical guide to ultrasound anatomy and clinical diagnosis State-of-the-art presentation based on the latest ultrasound technologies Correlation of US scans with anatomic specimens, drawings and findings on other imaging modalities Wealth of information relevant for both sonologists and sonographers

Contents
Instrumentation: Technical Requirements (Derch/ Rizzotto).- General: Skin/Subcutaneous Tissue (Valle/Zamorani).- Muscles and Tendon (Zamorani/Valle).- Nerve and Vessels (Valle/Zamorani).- Bone and Joint (Zamorani/Valle).- Individual Anatomical Sites: Upper Limb: Shoulder (Bianchi/Martino li).- Arm (Martino li/Bianchi).- Elbow (Bianchi/ Martino li).- Forearm (Martino li/Bianchi).- Wrist (Bianchi/Martino li).- Hand (Martino li/Bianchi).- Lower Limb: Hip (Martino li/Bianchi).- Thigh (Bianchi/Martino li).- Knee (Martino li/Bianchi).- Leg (Bianchi/Martino li).- Ankle (Martino li/Bianchi).- Foot [..]

Fields of interest
Imaging / Radiology; Diagnostic Radiology; Orthopedics; Rheumatology; Rehabilitation Medicine

Target groups
Practitioners and professionals, graduate students, scientists and researchers in the fields of radiology, orthopedics, rheumatology, physiotherapy

Type of publication
Monograph

Due March 2007

2007: XII, 975 p. 1111 illus. in 3669 sep. illus., 286 in color. (Diagnostic Imaging) Hardcover
269,00 €
ISBN 978-3-540-42267-9

Clinical Nuclear Medicine

The modern practice of nuclear medicine is now well into its seventh decade. Its strength in depicting physiology and function has always complemented our sister anatomic modalities such as CT, MRI and ultrasound. With the incredible development of PET/CT, this is evident now more than ever. Clinical Nuclear Medicine is a unique European/American joint venture that focuses on the universal state of the art in both diagnostic and therapeutic radionuclide methodology. Pertinent clinical applications are emphasized rather than attempting to cover everything included in the several large comprehensive texts available in our field. This “practical” approach should make this a useful guide to nuclear medicine physicians, technologists, students and interested clinicians alike.

Features
International educational textbook Chapters equally split between US and European authors Incorporation of PET into each organ system or disease specific chapter Broad spectrum of clinical procedure

Contents

Fields of interest
Nuclear Medicine; Imaging / Radiology; Oncology; Gastroenterology

Target groups
Clinicians and practitioners

Type of publication
Monograph

Due August 2007

2007: XXVII, 548 p. 310 illus. in 1232 parts, 263 in color. Hardcover
199,95 €
**Cancer in Adolescents and Young Adults**

This is the first comprehensive book devoted exclusively to cancer in adolescents and young adults. First, an overview of cancer in this age group, specifically from age 15 to 29 inclusive, including epidemiology and the general differences in prevention, early detection, diagnosis and treatment are presented. Then, the 15 most common categories of cancers in the age group regarding their epidemiologic, risk factors/etiology, presenting symptoms and signs, diagnostic workup, treatment, survival outcomes, and adverse effects are each covered in separate chapters. The emphasis is on how the cancer in the age group differs in epidemiology, biology, clinical management and outcome from the 'same' cancer in younger and older patients. The individual malignancies are followed by chapters on the general psychosocial, ethical and societal aspects of managing cancer in young adult and older adolescent patients. Model programs specially designed to care for patients in the age group and surveillance of [...]
The Clinical Neurophysiology Primer

With the appearance of the new combined clinical neurophysiology subspecialty board exam, trainees aiming for private neurologic practice need to become proficient in the entire gamut of neurophysiologic techniques. The Clinical Neurophysiology Primer meets these needs by providing an approachable yet broad tool of clinical neurophysiology. Created as a primer, rather than an exhaustive comprehensive text, it covers the relevant bases of clinical neurophysiology providing the reader with a practical and useful treatment of a wide range of topics. This CD-ROM version, which includes the color images, is sold separately from the hardcover edition (978-1-3882-996-4).

Contents

Fields of interest
Neurology

Target groups
Neurologists, neuroscientists, internists

Type of publication
Contributed volume

Due July 2007

2007. CD-ROM. Jewel case

49,95 €
ISBN 978-1-934115-09-1

Genetics in Liver Disease

This book is the proceedings of the Falk Symposium No.156 on ‘Genetics in Liver Disease’, part of the XII International Liver Week 2006 held in Freiburg, Germany, 7 October 2006. The first section covers the basic aspects of genetic diagnosis, pharmacogenomics, micro-arrays and their relevance for liver diseases, including viral hepatitis, hepatocellular carcinoma, and gallstone diseases. In the second section, the most important hereditary liver diseases are discussed, including haemochromatosis, Wilson disease, alpha-1-antitrypsin deficiency, porphyrias and cystic fibrosis. In the third section, the genetics of cholestatic and metabolic liver diseases as well as the current status of experimental and clinical studies of gene therapy for liver diseases and stem cell transplantation are presented. Each section starts with a State-of-the-Art Lecture which introduces the topic. In the tradition of the Falk Symposia, this book provides an exciting overview of the current developments in the field of...

Features
Interdisciplinary symposium bringing together basic science and clinical applications Up-to-date research Interdisciplinary symposium bringing together basic science and clinical applications Includes safety and regulatory aspects

Contents
Introduction in Liver Disease - Section I: Basic Aspects. - Section II: Liver Diseases (Part 1). - Section III: Liver Diseases (Part 2). - Index.

Fields of interest
Human Genetics; Hepatology; Life Sciences, general

Target groups
Clinicians, researchers, graduate students, academics

Type of publication
Collected works

Due July 2007

159,95 €

Biologics in General Medicine

This is the first book comprising all relevant aspects for the clinical application of biologies. All biologies currently approved for clinical use are described in a standardized way concentrating on practically relevant aspects such as contra-indications or monitoring needs. The “differential therapy” with biologies namely in the fields of dermatology, rheumatology, gastroenterology, and neurology is described in detail and summarized in treatment algorithms. Shorter sections on the biotechnological production processes to the clinical applications Includes safety and regulatory aspects

Features
First comprehensive book on the new drug generation of biologicals Contains all biologicals presently approved for clinical application Covers all aspects from the biotechnological production processes to the clinical applications Includes safety and regulatory aspects

Contents

Fields of interest
Dermatology; Immunology; Allergology; Gastroenterology; Rheumatology

Target groups
Researchers and clinicians

Type of publication
Monograph

Due May 2007

2007. XVIII, 190 p. 51 illus. in 95 parts. Hardcover
99,95 €
ISBN 978-3-540-29017-9
CT of the Airways

This book begins with four introductory chapters devoted to airway physiology, anatomy, and anatomical and functional CT imaging methods. These chapters are followed by four chapters devoted to large airways disorders in adults, including airway stenoses, neoplasms, malacia and bronchiectasis. The next section is comprised of 5 chapters devoted to small airways disorders in adults, including asthma, infectious and non-infectious small airways disorders, obliterative bronchiolitis, and smoking-related airway diseases. The final two chapters are devoted to pediatric large and small airway disorders. This textbook is a collaborative project that has greatly benefited from the contributions of many expert authors from around the globe. The intended audience for this book is primarily radiologists and pulmonologists, but the content will likely also be of interest to thoracic surgeons, pulmonary pathologists, and other physicians who are involved in the care of patients with airway diseases.

Features

A comprehensive review of large and small airways disorders Emphasis on CT imaging Draws on experts from around the world Follows successful pattern of CT of the Heart by U Joseph Schoepf, published by Humana Press

Contents

GPCRs: From Deorphanization to Lead Structure Identification

Based on the international workshop GPCRs: From Deorphanization to Lead Structure Identification, held in Berlin in May 2006, the book highlights the following topics: Structure of GPCRs, Design of GPCR Ligands, GPCR Signalling, Deorphanization and Assay Development. All chapters are written by leading experts in the field, discussing the most recent state of the art. They give insight into the approaches taken by industry and academia to address GPCRs and depict how mature this target class-oriented research has become in the last decade. The book reflects the actual trends in the fast-emerging field of GPCR research in academia and industry.

Contents


Fields of interest
Pharmacology/Toxicology; Medical Biochemistry; Computer Applications in Chemistry; Medical Microbiology

Target groups
Scientists in pharmacology, drug discovery, medical chemistry, molecular biology

Type of publication
Proceedings

Due July 2007


64,95 €
ISBN 978-3-540-48981-8

Acute Care Surgery
Principles and Practice

The practice of general and trauma surgery frequently involves a broad range of emergency situations. Surgeons must be familiar with diagnosis and operative management principles in the fast-paced environment of the emergency setting. Acute Care Surgery: Principles and Practice comprehensively presents the full spectrum of surgical emergencies, including trauma and non-traumatic acute surgical diseases of the abdominal, pelvic, and cardiothoracic organs as well as the extremities, skin and soft tissue, and head and neck. Management of surgical infections is also discussed. Edited by an internationally renowned trio of experts, Acute Care Surgery is the ideal reference text for surgical trainees as well as practicing surgeons. Authoritative, comprehensive, and user-friendly, the text features over 40 chapters complete with case studies as well as question and answer commentaries. Every chapter begins with a box highlighting the key points and current areas of controversy. In addition to [...] 

Features
Provides the busy surgeon, whether an acute care specialist or not, with the full range of solutions to emergency medical situations.

Contents

Fields of interest
General Surgery; Emergency Services; Traumatic Surgery; Intensive / Critical Care Medicine; Emergency Medicine

Target groups
General surgeons and residents, trauma surgeons, surgical intensive care specialist, emergency physicians, critical care

Type of publication
Professional book

Due April 2007

2007. XII, 812 p. Hardcover

134,95 €

Atlas of Cardiovascular Computed Tomography

Atlas of Cardiovascular Computed Tomography is a comprehensive atlas containing photomicrographs, anatomic illustrations, tables, and charts paired with extensive legends and explanations that are supplemented by extensive research, peer-reviewed articles, and textbooks. In addition to providing historical perspective and current direction for computed tomography, this atlas focuses on research involving coronary artery diseases and anomalies, congestive heart failure, atherosclerotic plaques and asymptomatic disease, as well as imaging techniques, including preparation, acquisition, and processing, involving the great vessels and carotids, the peripheral vasculature, and coronary and pulmonary veins. There also will be discussion of the role of computed tomography in the emergency room and in private cardiology practice.

Features
Hundreds of high quality images in step with the latest developments in medicine World-renowned authors from a variety of medical disciplines Hand-drawn illustrations In-depth explanation for each image

Contents

Fields of interest
Cardiology; Diagnostic Radiology

Target groups
Cardiologists, radiologists

Type of publication
Atlas

Due August 2007


99,95 €
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<th>Medicine 13</th>
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### Cytokines in the Genesis and Treatment of Cancer

Cytokines in the Genesis and Treatment of Cancer provides a comprehensive picture of the dual role of host responses in promoting and inhibiting tumor progression. This volume represents an important investigation into the emerging intersection of cancer biology and cancer immunology. Divided into four sections, the volume’s first three parts focus on cytokines in the genesis of cancer. The final section describes the notable progress — both in animal models and humans — in demonstrating the use of cytokine or anti-cytokine therapies for the prevention and treatment of cancer. Cytokines in the Genesis and Treatment of Cancer brings together an impressive array of internationally distinguished investigators who are devoted to the study of cytokines and cancer. Together, they produce an insightful, comprehensive discussion of cytokines and cancer that will serve as the perfect reference for all those working in the field.

**Features**
- Explores the clearly demonstrated link between cytokines and cancer
- Highlights potential treatment strategies that take advantage of utilizing cytokine and anti-cytokine therapies
- Contributions from internationally distinguished investigators

**Contents**
- Overview and Introduction to Cancer and Inflammation
- Helicobacter Pylori
- HTLV-1
- Herpes Viruses
- TNF
- IL-10, IL-12, and Type I interferons
- Other cytokines

**Fields of interest**
- Cancer Research
- Oncology
- Pharmacology
- Toxicology
- Radiotherapy

**Type of publication**
- Contributed volume

**Due May 2007**

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<th>Advanced Organic Chemistry</th>
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Since its original appearance in 1977, Advanced Organic Chemistry has maintained its place as the premier textbook in the field, offering broad coverage of the structure, reactivity and synthesis of organic compounds. As in the earlier editions, the text contains extensive references to both the primary and review literature and provides examples of data and reactions that illustrate and document the generalizations. While the text assumes completion of an introductory course in organic chemistry, it reviews the fundamental concepts for each topic that is discussed. The two-part fifth edition has been substantially revised and reorganized for greater clarity. Among the changes: Updated material reflecting advances in the field since 2001’s Fourth Edition, especially in computational chemistry. A companion Web site provides digital models for study of structure, reaction and selectivity. Solutions to the exercises provided to instructors online. The control of reactivity to achieve specific.

**Features**
- Parts A and B may stand alone; together, they provide a comprehensive foundation for study in organic chemistry
- Updated material reflecting scientific advances since 2001’s Fourth Edition, especially in computational chemistry

**Contents**
- Alkylation of Enolates and Other Carbon Nucleophiles
- Reactions of Carbon Nucleophiles with Carbonyl Groups
- Functional Group Interconversions
- Protection and Deprotection
- Electrophilic Additions to Carbon-Carbon Multiple Bonds
- Reduction of Carbon-Carbon Multiple, Carbonyl Groups, and Other Functional Groups
- Cyclodadditions, Unimolecular Rearrangements, and Thermal Eliminations
- Organometallic Compounds of the Group I, II, and III Metals
- Reactions Involving the Transition Metals
- Carbon-Carbon Bond-Forming Reactions of Compounds of Boron, Silicon, and Tin

**Fields of interest**
- Organic Chemistry
- Pharmacy
- Medicinal Chemistry

**Type of publication**
- Graduate students and advanced undergraduates

**Due September 2007**

<table>
<thead>
<tr>
<th>The Genetics of Male Infertility</th>
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Infertility is a common and severe health problem affecting roughly 7% of the male population. It is likely that the majority of those patients have genetic abnormalities that are the cause of their infertility. In The Genetics of Male Infertility, twenty-one researchers and clinicians review the study of the genetics of male infertility, the tools available in the laboratory and clinic, the current state of knowledge, and the future of research and translation into clinical diagnostics and treatments. This volume gives special attention to the significant technological advances in the treatment of male infertility, including intracytoplasmic injection (ICSI) in conjunction with in vitro fertilization (IVF). In addition, new tools discussed include in vitro methodologies, in silico technologies, and new model organisms. Providing a review of our current understanding of genetic causes of male infertility, The Genetics of Male Infertility serves as a guide to evidence-based clinical applications.

**Contents**
- 1. The Genetics of Male Infertility in the Era of Genomics: Tools for Progress
- 2. The use of cDNA libraries to demonstrate a linkage between transcription and translation in male germ cells
- 3. Considerations When Using Array Technologies for Male Factor Assessment
- 4. Microarray Analysis of a Large Number of Single Nucleotide Polymorphisms in Individual Human Spermatozoa
- 5. Physiological and Proteomic Approaches to Understand Human Sperm Function: Pre Fertilization Events

**Fields of interest**
- Urology/Andrology

**Type of publication**
- Contributed volume

**Due August 2007**

- 114.95 €
Management of Erectile Dysfunction in Clinical Practice

Management of Erectile Dysfunction in Clinical Practice is a short guide to erectile dysfunction (ED) and its management covering normal function and dysfunction, assessment, treatment options and interventions. ED is a symptom, not a disease and will have underlying causes such as hypertension, coronary artery disease, diabetes, chronic renal impairment, chronic arthritis, chronic alcoholism, multiple sclerosis. This book will be an essential reference for family practitioners and residents in urology.

Features
Concise guide to erectile dysfunction and its management for family practitioners and residents

Contents

Fields of interest
Urology/Andrology; General Practice / Family Medicine

Target groups
Family practitioners, residents in urology

Type of publication
Professional book

Due April 2007

2007. VIII, 94 illus., 20 illus. in color. Softcover
34.95 €

Nursing Care of the Pediatric Neurosurgery Patient

‘Nursing Care of the Pediatric Neurosurgery Patient’ serves as a detailed reference for all nurses caring for children with neurosurgical problems. Staff nurses (and student nurses) working in clinics, PICU, pediatrics, operating rooms, post-anesthesia care units, emergency department and radiology will benefit from the information presented in this book. The explanations of pathophysiology, anatomy, radiodiagnostic testing and treatment options for each neurosurgical diagnosis will help them to understand the rationale behind the nursing care. Presenting symptoms and findings on neurological examination and history will enable nurses to identify normal signs. Each chapter includes information on patient and family education and will give helpful guidelines. Although there has been a need within the pediatric neurosurgery community for this type of information for years, there is no other reference available that provides this type of specific information.

Features
Complete pediatric neurosurgical nursing reference Helps understand the rationale behind the nursing care Helps identify actual symptoms Includes information on patient and family education and ‘pediatric pearls’ Clear and standardized chapter structure

Contents

Fields of interest
Neurosurgery; Nursing Management/Nursing Research; Pediatrics; Neurology

Target groups
Pediatric nurses, nurses, nursing instructors, pediatric surgeons, neurosurgeons

Type of publication
Monograph

Due March 2007

2007. XVIII, 284 p. 119 illus. Hardcover
79.95 €
ISBN 978-3-540-29703-1

Peritoneal Carcinomatosis: A Multidisciplinary Approach

Peritoneal Carcinomatosis encompasses basic and molecular mechanisms, histology, local and systemic cytotoxic drug therapy, and surgical strategies Foreword by Paul H. Sugarbaker, MD, Director, Program in Peritoneal Surface Malignancy, Washington Cancer Institute, Washington, DC, USA

Contents

Fields of interest
Oncology; Surgical Oncology; Imaging / Radiology

Target groups
Medical, surgical, radiation, gynecological oncologists, researchers and pharma

Type of publication
Contributed volume

Due May 2007

99.95 €
Bioceramics and Alternative Bearings in Joint Arthroplasty
12th BIOLOX Symposium. Proceedings

The proceedings book of the BioLox Symposium in Seoul is composed of 10 sessions and plenary lectures of the most current knowledge available in the use of Bioceramics and alternative bearings. More than 50 speakers with world-famous reputations from 12 countries come together to a total of 52 topics on recent developments in Bioceramic and alternative bearings in arthroplasty. Among the recent developments in the arthroplasty field, bearing surface occupies one of the most important positions. In Asian culture, sitting with crossed legs and squatting positions are more common compared to the Western culture. Because of such a different cultural background, in arthroplasty, impingement and wearing of liner are more important problems. With this point of view, the interest about bioceramic and alternative bearing is increasing. The written version of the scientific program will allow you to carry home a more concise view of the Symposium presentations.

Features
The most up-to-date information regarding the use of ceramic solutions

Contents

Fields of interest
Orthopedics; Surgical Orthopedics

Target groups
Orthopedists, surgeons, traumatologists

Type of publication
Proceedings

Due August 2007

Pluralistic Casuistry
Moral Arguments, Economic Realities, and Political Theory

Baruch A. Brody has been one of the most important voices in bioethics over the last several decades, asking new and challenging questions about a range of problems, examining recalcitrant issues in novel ways, always with the goal of offering practical solutions to complex problems. This volume presents a sustained philosophical analysis of Brody’s contributions to biomedical ethics. The essays in this volume compass epistemological, methodological, and topical contributions to bioethics, including both application and criticism of Brody’s normative moral theory – pluralistic casuistry – Jewish medical ethics, human embryo transfer, medical futility, life and death decisions in pediatrics, euthanasia and end-of-life decision-making, the obligations of clinical researchers toward study participants, and professional integrity. Done well, philosophical work can clarify complex issues, facilitate creative problem solving, and lead to real-world solutions to difficult situations. Each contributor [...]
Wildlife and Emerging Zoonotic Diseases: The Biology, Circumstances and Consequences of Cross-Species Transmission

This volume provides an overview of the processes of zoonotic viral emergence, the intricacies of host/virus interactions, and the distinct role of biological transitions and modifying factors. The process of emergence is conceptualized as two transition stages which are common and required for all disease emergence, (1) human contact with the infectious agent and (2) cross-species transmission of the agent, and two transition stages which are not required for emergence and appear unavailable to many zoonotic pathogens, (3) sustained human-to-human transmission and (4) genetic adaptation to the human host. The latter two transitions are presumably prerequisites for the pandemic emergence of a pathogen. The themes introduced herein are amplified and explored in detail by the contributors to this volume. Each author explores the mechanisms and unique circumstances by which evolution, biology, history, and current context have contrived to this volume. Each author explores the mechanisms and unique circumstances by which evolution, biology, history, and current context have contrived to drive the emergence of different zoonotic agents by a series [...]
Atlas of Upper Gastrointestinal and Hepato-Pancreato-Biliary Surgery

Atlas of Upper Gastrointestinal and Hepato-Pancreato-Biliary Surgery covers in detail the technical aspects of all important procedures of the upper abdomen (esophagus, duodenum, stomach, liver, biliary system, pancreas, portal hypertension and spleen) including general, oncologic, and transplant surgery. Each chapter has been written by an expert renowned in his or her field and been reviewed by a second expert. All of the approximately 900 illustrations have been drawn by the same team of three artists of notable experience. The liver section follows the internationally accepted terminology of the Brisbane 2000 conference of the IHPBA. In this atlas experts of upper abdominal surgery share their experience and show how they do it - step by step.

Features
Abundantly illustrated atlas describing the state of the art techniques for key procedures of the upper abdomen. Each procedure is associated with a short comment regarding indications of the various operative steps. Internationally renowned experts describe and illustrate the various procedures step-by-step.

Contents
Section 1 Introduction.- Section 2 Esophagus, Stomach and Duodenum.- Section 3 Liver.- Section 4 Biliary Tract and Gallbladder.- Section 5 Portal Hypertension.- Section 6 Pancreas.- Section 7 Spleen.- Subject Index.

Fields of interest
Surgery; Abdominal Surgery; Gastroenterology; Transplant Surgery; Surgical Oncology

Target groups
Surgical specialists as well as general surgeons at various levels of training

Type of publication
Monograph

Due September 2007

Strabismus Surgery and its Complications

This comprehensive atlas and textbook on strabismus surgery and its complications provides complete instruction for the surgical management of the strabismus patient. In Part 1, detailed descriptions, photographs, and diagrams illustrate each major surgical procedure and variations. Part 2 presents an extensive review of surgical complications including their prevention, recognition, and treatment. The text is lavishly illustrated with artwork and photographic examples, and well-supported by sample references. Thus, the reader will benefit highly from expert step-by-step instructions on how to perform both basic and complex strabismus surgery and how to avoid, recognize, and treat strabismus surgery complications.

Features
Expert step-by-step instruction on how to perform both basic and complex strabismus surgery. Excellent artwork diagrams and photographs demonstrating surgical techniques and potential complications. Single source reference to learn about potential strabismus surgery complications and how to avoid, recognize, and treat strabismus surgery complications.

Contents

Fields of interest
Ophthalmology; Pediatric Surgery; Surgery

Target groups
General ophthalmologists, pediatric ophthalmologists and residents in training

Type of publication
Monograph

Due April 2007

Psychological Challenges in Obstetrics and Gynecology

The Clinical Management

By providing the background knowledge, the book empowers the obstetrician/gynecologist to be in the key coordinating role, and to communicate effectively with all parties and health workers involved in psychological care. It meets the needs of doctors not covered by their training (e.g. Communication skills, coping and adjustment in pregnancy, communicating with cancer patients). Chapters show how to use the consultation to maximum benefit for the patient and doctor. Easy-to-read with stand-alone chapters, this book covers key aspects of O and G, and addresses areas not covered in other texts. It is relevant to all stages of O and G practice - from trainees to consultants (and some lay interest). This book offers topics in psychological care to trainees and specialist in O and G, helps them understand the emotional problems their patients face, and shows them how to undertake psychological care.

Features
Easy-to-read format. Broad overview. Demystifies the psychological aspects of the subject, making it easier to integrate psychological aspects into practice. A more holistic approach improves the care for women. Enables the doctor to make consultations more effectively despite the limitations of time.

Contents
Data Integration in the Life Sciences

This book constitutes the refereed proceedings of the 4th International Workshop on Data Integration in the Life Sciences, DILS 2007, held in Philadelphia, PA, USA in July 2007. The 19 revised full papers presented together with 2 keynote talks were carefully reviewed and selected from 52 submissions. The papers address all current issues in data integration and data management from the life science point of view and are organized in topical sections on new architectures and experience on using systems, managing and designing scientific workflows, mapping and matching techniques, modeling of life science data, and annotation in data integration.

**Fields of interest**
Data Mining and Knowledge Discovery; Health Informatics & Health Administration; Database Management; Information Systems Applications (incl.Internet); Computational Biology/Bioinformatics; Computer Appl. in Life Sciences

**Target groups**
Researchers and professionals

**Type of publication**
Proceedings

**Due June 2007**

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The Statistical Analysis of Recurrent Events

Recurrent event data arise in diverse fields such as medicine, public health, insurance, social science, economics, manufacturing and reliability. The purpose of this book is to present models and statistical methods for the analysis of recurrent event data. No single comprehensive treatment of these areas currently exists. The authors provide broad but detailed coverage of the major approaches to analysis, while also emphasizing the modeling assumptions that are based on. Thus, they consider important models such as Poisson and renewal processes, with extensions to incorporate covariates or random effects. More general intensity-based models are also considered, as well as simpler models that focus on rate or mean functions. Parametric, nonparametric and semiparametric methodologies are all covered, with clear descriptions of procedures for estimation, testing and model checking. Important practical topics such as observation schemes and selection of individuals for study, the planning [...] 

**Features**
Provides an extensive discussion of the wide range of models and methods that are available to researchers and practitioners faced with the design and analysis of studies involving recurrent events.

**Contents**
Introduction.- Models and frameworks for analysis of recurrent events.- Methods based on counts and rate functions.- Analysis of gap times.- General intensity-based models.- Multi-type recurrent events.- Observation schemes giving incomplete or selective data.- Other topics.

**Fields of interest**
Epidemiology; Health Care Administration; Statistical Theory and Methods; Quality Control, Reliability, Safety and Risk; Econometrics; Methodology of the Social Sciences

**Target groups**
Grad students, practitioners

**Type of publication**
Monograph

**Due August 2007**

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Therapeutic Uses of Botulinum Toxin

Therapeutic Uses of Botulinum Toxin outlines and examines our current understanding of botulinum toxin and its various therapeutic applications. The editors explore how this novel compound fits into a wide variety of treatment algorithms across medical subspecialties. Each chapter focuses on a particular symptom and explains how botulinum toxin is currently used for treatment. The chapter authors are all leaders in their fields and are respected for their progressive approach to treatment. Physicians will benefit not only from those chapters devoted to their particular sub-specialty, but from the inspiring success resulting from the use of botulinum toxin in other patient populations. The concluding chapter examines questions of immunity, explores economic issues, and attempts to forecast future directions for this novel and somewhat mysterious drug. Clinicians across a wide variety of disciplines will refer to this comprehensive reference time and time again.

**Features**
Defines our current understanding of botulinum toxin and its method of action. Presents therapeutic uses across a variety of medical subspecialties and patient populations. Encourages responsible research into new and novel uses of botulinum toxin.

**Contents**

**Fields of interest**
Dermatology; Orthopedics; Rehabilitation Medicine; Pharmacology/Toxicology

**Target groups**
Physical medicine doctors, rehabilitation specialists, neurologists, sports rehab doctors, general practice doctors, orthopedic doctors, toxicologists

**Type of publication**
Contributed volume

**Due July 2007**
Arthritis Research

Volume 1: Methods and Protocols

Arthritis Research: Methods and Protocols is a compendium of data pertinent to the methods and protocols that have contributed to recent advances in molecular medicine in general, but to the molecular basis of rheumatic disease in particular. These volumes detail novel technologies, some of which are still evolving and whose impacts are yet to be determined. Leaders in the field contribute to cover such exciting and cutting-edge topics as imaging and immunohistochemistry, analysis of cartilage and bone catabolism, immunobiology, and cell trafficking. In Volume 1, authors discuss synovial joint morphometry, histopathology, and immunohistochemistry, cartilage matrix and bone biology, and cell trafficking, migration and invasion. Volume 2 is broken up into sections that cover immunobiology and T cells, animal models of arthritis, and applications of new technologies, such as Differential Display Reverse Transcription-Polymerase Chain Reaction (DDRT-PCR), to define novel therapeutic targets. Both [...] Features

Broad range of topics covering many aspects of rheumatic disease In-depth studies of cutting-edge technology Robust tools for translational research

Contributions from leaders in their fields

Contents


Fields of interest

Orthopedics; Cell Biology; Human Genetics

Target groups

Basic research investigators, clinician scientists, pathologists, immunologists, and biochemists

Type of publication

Contributed volume

Due June 2007

2007. XX, 446 p. 99 illus., 15 in color. (Methods in Molecular Medicine, Vol. 135) Hardcover

114,95 €


Arthritis Research

Volume 2: Methods and Protocols

Arthritis Research: Methods and Protocols is a compendium of data pertinent to the methods and protocols that have contributed to recent advances in molecular medicine in general, but to the molecular basis of rheumatic disease in particular. These volumes detail novel technologies, some of which are still evolving and whose impacts are yet to be determined. Leaders in the field contribute to cover such exciting and cutting-edge topics as imaging and immunohistochemistry, analysis of cartilage and bone catabolism, immunobiology, and cell trafficking. In Volume 1, authors discuss synovial joint morphometry, histopathology, and immunohistochemistry, cartilage matrix and bone biology, and cell trafficking, migration and invasion. Volume 2 is broken up into sections that cover immunobiology and T cells, animal models of arthritis, and applications of new technologies, such as Differential Display Reverse Transcription-Polymerase Chain Reaction (DDRT-PCR), to define novel therapeutic targets. Both [...] Features

Broad range of topics covering many aspects of rheumatic disease In-depth studies of cutting-edge technology Robust tools for translational research

Contributions from leaders in their fields

Contents


Fields of interest

Orthopedics; Human Genetics; Cell Biology

Target groups

Basic research investigators, clinician scientists, pathologists, immunologists, and biochemists

Type of publication

Contributed volume

Due June 2007

2007. XXII, 432 p. 73 illus., 6 in color. (Methods in Molecular Medicine, Vol. 136) Hardcover

114,95 €


6th International Symposium on Therapeutic Ultrasound

All papers have been peer reviewed. The 6th International Symposium on Therapeutic Ultrasound is the annual meeting of the International Society for Therapeutic Ultrasound. The conference embraced low power and high power techniques, including non-invasive tissue ablation for cancer therapy, treatment of stroke, haemostasis, ultrasound-enhanced drug delivery and gene therapy. Topics discussed include: Therapeutic ultrasound; ultrasound calibration; dosimetry; dosimetry; ultrasound field characterization; ultrasound transducers, high-intensity focussed ultrasound (HIFU); acoustic haemostasis; thrombolysis; heating; hyperthermia; ablation; acoustic cavitation; inertial cavitation; stable cavitation; treatment guidance; magnetic resonance imaging (MRI); tissue phantoms; liver kidney prostate cancer; sonodynamic therapy; ultrasound contrast agents; targeted drug delivery; microbubbles; liposome; nanoeumulsion; sonoporation; sonotransfer; gene transfer; gene delivery; transcranial; blood-brain [...]

Fields of interest

Biophysics; Ultrasound

Target groups

Academic and clinical researchers in the field of therapeutic ultrasound; therapeutic ultrasound manufacturers; clinical Practitioners interested in non-invasive and minimally invasive cancer therapy; academicians with interests in sound, ultrasound, acoustics and cavitation

Type of publication

Proceedings

Due June 2007


152,50 €

Tumors of the Brain and Spine

Tumors of the Brain and Spine focuses primarily on the standard approaches to the treatment of benign, primary low-grade to high-grade, and metastatic tumors in the brain and spine used by surgeons and clinicians at The University of Texas M.D. Anderson Cancer Center. It is written mainly for the primary care oncologist, general neurologist, and general neurosurgeon. Chapters on treatment focus on neurosurgery, chemotherapy, and radiation therapy, both singly and in combination. Chapters on symptom management, the molecular genetics and neuropathology of intracranial tumors, the leptomeningeal dissemination of systemic cancer, the epidemiology of brain tumors, and innovative treatment strategies round out the volume.

Features

Focuses primarily on the standard approaches to the treatment of benign, primary low-grade to high-grade, and metastatic tumors in the brain and spine. Overview on treatment with focus on neurosurgery, chemotherapy, and radiation therapy, both singly and in combination. Reviews symptom management, the molecular genetics and neuropathology of intracranial tumors, the leptomeningeal dissemination of systemic cancer, the epidemiology of brain tumors, and innovative treatment strategies round out the volume.

Contents

Foreword. Epidemiology of Brain Tumors. - Neuroradiology and Molecular Genetics of Intracranial Tumors. - Radiology of Brain Tumors: Structure and Physiology. - Surgically Curable Brain Tumors of Adults. - Low-Grade Gliomas: Evidence-Based Treatment Options. - Surgical Strategies for High-Grade Gliomas. - Radiation Oncology for Tumors of the Central Nervous System: Improving the Therapeutic Index. - Cytotoxic Chemotherapy for Diffuse Gliomas. - Innovative Treatment Strategies for High-Grade Gliomas. - Pituitary Tumors in Oncology. - Management of Lung Cancer, Breast Cancer, and Melanoma [...]

Fields of interest

Oncology; Surgical Oncology; Neurosurgery; Neurology; Pathology

Target groups

Oncologists, neurologists, neurosurgeons, pathologists, radiologists

Type of publication

Contributed volume

Due July 2007

2007, XII, 364 p. 73 illus. (M.D. Anderson Cancer Care Series) Softcover

69.95 €
ISBN 978-0-387-29201-4

Therapeutic Neovascularization – Quo vadis?

The volume "Therapeutic Neovascularization: Quo Vadis?" picks up the current refinements in fundamental concept of neovascularization, which in the future might pave the way towards a new era of therapeutic applications. It meets an at times urgent need for treatment of patients who otherwise are not suitable for the established routines of percutaneous and surgical revascularization. At present most of the clinical trials initiated to promote neovascularization of ischemic myocardial or peripheral muscle tissue have failed to provide significant improvement of pre-specified endpoints. This collection of manuscripts is selected to provide the most recent developments improving the auspices of successful revascularization therapy. Therefore, it covers sections such as the clinical challenge, novel mechanistic and molecular concepts and cell therapy as an option, each composed of chapters written by experts in their fields. This collection of current and future concepts of neovascularization offers [...] Features

Cutting edge science Comprehensive status report Innovative concepts Leaders in the field

Fields of interest

Molecular Medicine; Cardiology; Medical Biochemistry; Cancer Research

Target groups

Research workers, clinicians with scientific interest, pharmaceutical industry, students in Medicine, Biology, Pharmacy

Type of publication

Contributed volume

Due June 2007

2007, X, 262 p. Hardcover

119.95 €
ISBN 978-1-4020-5954-4

Hydroboration and Organic Synthesis

9-Borabicyclo [3.3.1] nonane (9-BBN)
Cardiac PET and PET/CT Imaging

This textbook presents the reader with the most up-to-date, practical information on the practice of cardiac PET and hybrid PET/CT. Each chapter takes a step-by-step approach to this emerging technology, from basic principles of instrumentation, imaging, and protocols, to advanced discussions of current and future clinical applications. Perspective on other emerging imaging modalities (e.g., MRI) and the relative role of each adds to the well-rounded approach. A section on the technical aspects of cardiac PET and PET/CT imaging directed to and written by technologists is included as well. Molecular imaging approaches that are likely to play a clinical role in the future are also thoroughly covered. A library of original cases selected by the editors and contributors completes the text by illustrating interpretation and technical challenges in cardiac PET and hybrid PET/CT.

Features

- Practical tips for cardiac PET and hybrid PET/CT
- Step-by-step approach facilitates learning
- Includes several original case studies

Contents

- Instrumentation and Principles of PET.
- Instrumentation and Principles of CT.
- Principles of Quantitation in Cardiac PET.
- Principles of Quantitation in Cardiac CT.
- Radiopharmaceuticals for Clinical Cardiac PET Imaging.
- Radiopharmaceuticals for Clinical Cardiac CT Imaging.
- Imaging for Cardiac CT.
- CT Anatomy of the Heart.
- Patient and Occupational Dosimetry.
- Diagnostic Approaches to Patients With Cad.
- Patient Preparation and Stress Protocols for Cardiac PET and Integrated PET/CT Imaging.
- PET and Integrated PET/CT Imaging.

Fields of interest

- Nuclear Medicine
- Imaging / Radiology
- Diagnostic Radiology
- Cardiology

Target groups

- Radiologists and residents
- Nuclear cardiologists and residents
- Nuclear physicians and residents

Type of publication

- Monograph
- Due August 2007

Small-Bowel Obstruction

CT Features with Plain Film and US correlations

Small bowel obstruction is a common but difficult clinical problem in terms of appropriate diagnosis and timely management. In clinical practice, radiologists play a key role in the assessment of small bowel obstruction and can guide physicians toward appropriate and timely management of the many indeterminate cases and situations. However, to understand and connect the pathophysiology to the imaging features remains the most difficult task radiologists face in their clinical activity. The aim of this book is to connect pathophysiology to imaging using many illustrations and examples, emphasizing the capabilities and limitations of multidetector computed tomography and its role in the correct management approach to these disorders. Furthermore, the place of allied imaging modalities (plain film and ultrasound) in the clinical algorithm is comprehensively illustrated.

Features

- Problem-oriented approach in a “dedicated” radiological atlas book
- Superb image quality in a winning format

Contents

Chapter 1: Mechanism of Small Bowel Obstruction.
- Chapter 2: Patho-physiology of Imaging.
- Chapter 3: CT Features of Small Bowel Obstruction.
- Chapter 4: Morphodynamic Features of Acute Intestinal Disorders.

Fields of interest

- Imaging / Radiology
- Diagnostic Radiology
- Abdominal Surgery
- Emergency Medicine

Target groups

- Emergency radiologists
- Emergency surgeons

Type of publication

- Professional book
- Due August 2007

Insulin Resistance and Polycystic Ovarian Syndrome

Pathogenesis, Evaluation, and Treatment

Polycystic Ovarian Syndrome (PCOS) is the most common endocrinopathy in women of reproductive age. Providing a state-of-the-art analysis of the connection between insulin resistance and PCOS, Insulin Resistance and Polycystic Ovarian Syndrome comprehensively covers a range of topics, including the cellular mechanisms of PCOS, infertility and PCOS, long-term risks of PCOS and the association with insulin resistance, evaluation and treatment of PCOS, and treatment of chronic PCOS.

Features

- An up-to-date and balanced overview of PCOS, with specific attention to the role of insulin resistance in its pathogenesis
- Examines diet and lifestyle factors in the aetiology and management of PCOS

Contents

- Evaluation for Insulin Resistance and Co-Morbidities Related to Insulin Resistance in PCOS
- Fat Distribution and Adipose Products in PCOS
- Treatment Of Infertility In PCOS: Ovulation Induction
- Imaging Studies In Polycystic Ovary Syndrome
- Genes Related To Metabolic Abnormalities Or Insulin Resistance In PCOS
- Anti-Androgens
- Lipid Abnormalities in PCOS
- Serine Phosphorylation, Insulin Resistance, and the Regulation of Androgen Synthesis
- Chronic Treatment of Polycystic Ovarian Syndrome: Oral Contraceptive Pills
- Insulin Sensitizing Drugs for the Treatment of Infertility in PCOS

Fields of interest

- Endocrinology
- Internal Medicine
- Diabetes
- Obstetrics / Gynecology

Target groups

- Endocrinologists
- Gynecologists
- Internal medicine practitioners

Type of publication

- Contributed volume
- Due July 2007
Targeted Therapies in Cancer

From its introduction, oncological chemotherapy has been encumbered by its poor selectivity because most antiproliferative drugs are toxic not only to tumor cells but also to important populations of the body's non-neoplastic cells. The resultant problems with unwanted side effects are compounded by difficulties in predicting the desired effectivity of chemotherapy in individual patients. This unsatisfactory situation has driven intensive research and development towards more specific and less toxic anti-cancer drugs over the last few decades. Several results of these efforts have reached the clinic and an even greater number are now in preclinical testing. Common to all these targeted therapies is their interaction with defined molecules present on cancer cells, which adds various degrees of increased selectivity to their toxic effects. As a consequence, detecting the target molecule on tumors before therapy holds great diagnostic potential for predicting the efficacy of the drug and personalizing [—].

Contents


Fields of interest

Oncology; Cancer Research

Target groups

Clinicians and researchers

Type of publication

Monograph

Due June 2007


129,95 €

ISBN 978-3-540-46090-9

Essentials of Restenosis

For the Interventional Cardiologist

Leading interventional cardiologists, including Patrick Serruys, Eric Topol, David Holmes, Thomas Luscher and others provide the gold-standard reference on the treatment of restenosis (coronary artery blockage) for interventional cardiologists. Dr. Serruys, who pioneered the use of drug-eluting stents, and other pioneers in the field cover everything from non-invasive imaging, to eluting stents, to brachytherapy through to the latest molecular biology-based treatments including antisense, stem cells and gene therapy, making this an essential reference for all interventional cardiologists.

Features

Gold-standard reference on the treatment of restenosis for interventional cardiologists Produced by leading interventional cardiologists, including Patrick Serruys, Eric Topol, David Holmes, and Thomas Luscher

Contents


Fields of interest

Cardiology; Vascular Surgery; Internal Medicine; Interventional Radiology

Target groups

Cardiologists, cardiology fellows, pharmacologists, surgeons

Type of publication

Contributed volume

Due September 2007

2007. XIV, 458 p. 112 Illus. (Contemporary Cardiology) Hardcover

134,95 €

NATO And Terrorism

On Scene: New Challenges for First Responders and Civil Protection

This book provides information about how leading agencies across the NATO membership are preparing to confront and respond to terrorists deploying Weapons of Mass Destruction (WMD), Weapons of Mass Killing (WMK) and Weapons of Mass Disruption (WMDi). Based on contributions by experts from NATO member states, Israel and the Russian Federation, this book offers information on fourth generation warfare as a new challenge to first responders. It also provides a variety of insights into methods for preparing for and responding to WMD-, WMK-, and WMDi-events, using new technologies and strategies. Furthermore, the book offers solution for restoring the community to functioning after such a major terror attack. Topics include preparing, planning, operations, equipment, training and unique applications of existing technologies for countering terrorist attacks against cities and their infrastructure.

Features
Provides a comprehensive review of the challenges posed to first responders and emergency managers by terrorism. Provides a unique approach by coordinating preparedness and response to terrorism attacks against cities and infrastructure across boundaries. Provides a unique set of non-traditional tools and strategies for enhancing response to WMD, WMK, and WMDi-terrorism attacks. Provides a unique approach to ...

Fields of interest
Emergency Services; Professional & Vocational Education; Social Policy; Political Science; Geoinformation/Cartography

Target groups
City, county and state-based emergency first responders and emergency managers

Type of publication
Proceedings

Due August 2007

Heterocycles from Carbohydrate Precursors

International terrorism remains a significant threat to the peace of the world. Weapons using various materials and delivery systems have been directed against cities and infrastructure, and other materials are postulated to be usable within the near future. Some of these materials are unusual or exotic, while some are modifications of materials used daily for other purposes: biological, chemical, radiological, nuclear and explosive. These materials pose a safety challenge for first responders, slowing the response and potentially killing scarce trained personnel. This book provides information about how leading agencies across the NATO membership are preparing to confront and respond to terrorists deploying Weapons of Mass Destruction (WMD), Weapons of Mass Killing (WMK) and Weapons of Mass Disruption (WMDi). Based on contributions by experts from NATO member states, Israel and the Russian Federation, this book offers information on fourth generation warfare as a new challenge to first responders.

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Fields of interest
Organic Chemistry; Medicinal Chemistry

Target groups
Scientists and practitioners in the mentioned fields and in industry

Type of publication
Reviews

Due July 2007


259,00 €
ISBN 978-3-540-72956-3


59,95 €
Acquired Brain Injury
An Integrative Neuro-Rehabilitation Approach

Regardless of etiology, such as accident, tumor, stroke or assault, acquired brain injury presents numerous challenges for survivors, caregivers and treating professionals. Interdisciplinary and integrated evaluations, treatment, and management can mean the difference between successful recovery and unfortunate outcomes. The first book to present a comprehensive team approach to rehabilitation of ABI survivors, Acquired Brain Injury gives medical and clinical specialists a deeper understanding of not only each other’s roles, but also their complementary functions. - The medical management of ABI—neurosurgery, neurology, physiatry—and the medical specialties involved—neuropsychiatry, neurourology and neurooptometry - In-depth discussion of the roles of occupational, speech-language, and balance rehabilitation - Separate chapters on nursing, neurourology, and case management - Behavioral and emotional challenges common to individuals with ABI - The importance of family

Features
- No other book deals with an integrated or team approach to therapy post acquired brain injury

Contents

Fields of interest
- Neuropsychology, Rehabilitation, Behavioral Therapy, Rehabilitation Medicine

Target groups
- Students studying courses in neuropsychology, rehabilitation counseling and physical/occupational therapy; neuropsychologists; neuropsychiatrists; neurologists; physical, occupational and speech/languagetherapists; rehabilitation counselors; social workers

Type of publication
- Graduate/advanced undergraduate textbook

Renal Stone Disease
1st Annual International Urolithiasis Research Symposium

All papers have been peer reviewed. A generation ago, the management of patients with urinary stones was forever altered with the introduction of minimally invasive treatment techniques such as shock wave lithotripsy, ureteroscopy, and percutaneous stone removal. We are again in the cusp of revolutionary developments in the management and prevention of nephrolithiasis. This conference featured a very distinguished international faculty whose present research is clearly advancing the field of stone disease. This conference marked the first presentation of data on the interface between a renal stone and its tissue attachment site.

Fields of interest
- Imaging / Radiology; Minimally Invasive Surgery; Urology/Andrology

Target groups
- Urologists, medical research scientists, physiologists, patients with stone disease

Type of publication
- Proceedings

Due April 2007


Immunological Tolerance
Methods and Protocols

Immunological Tolerance: Methods and Protocols is a comprehensive guide to the techniques currently used for culturing and characterising the cell types responsible for imposing self-tolerance and the experimental models employed to study their function both in vitro and in vivo.

Features
- Provides up-to-date reviews of the literature on essential topics in immunological tolerance
- Documents methods for the generation and culture of critical cell types and approaches to their characterisation
- Describes protocols for the study of tolerance both in vitro and in vivo
- Provides insights into novel techniques for tolerance induction

Contents
- From the contents Frontiers of Immunological Tolerance
- Cell Types Contributing to Immunological Tolerance
- Case Study: Balancing Tolerance & Immunity: The Role of Dendritic Cell & T Cell Subsets
- Differentiation of Dendritic Cell Subsets from Mouse Bone Marrow
- Genetic Modification of Dendritic Cells through the Directed Differentiation of Embryonic Stem Cells
- Generation of Immunocompetent T Cells from Embryonic Stem Cells
- Isolation, Expansion and Characterization of Human Natural and Adaptive Regulatory T Cells
- Derivation, Culture and Characterization of Thymic

Fields of interest
- Immunology: Infectious Diseases

Target groups
- AIDS researchers, immunologists, transplant surgeons/specialists, biotechnologists

Type of publication
- Contributed volume

Due July 2007

124,95 € ISBN 978-1-58829-652-8
Adipose Tissue and Adipokines in Health and Disease

The aim of Adipose Tissue and Adipokines in Health and Disease is to provide comprehensive information regarding adipose tissue, its physiological functions and its role in disease. This volume contains a collection of information spanning the entire range of adipose tissue studies, from basic anatomical and physiological research to epidemiology and clinical aspects, in one place. This book is indispensable for basic researchers and clinicians interested in the fields of obesity, metabolic diseases, inflammation and immunity, and specialists in each of the pathologies associated with obesity.

Features
Provides a comprehensive review of fundamental adipose tissue anatomy and physiology Introduces a novel and dynamic model for adipose tissue study Examines vasoactive and inflammatory molecules produced by adipose tissue Describes the role of macrophages in obesity and metabolism Discusses the interaction between adipocytes and hematopoietic cells in bone marrow Analyzes the metabolic disturbances associated with obesity.

Contents
Introduction - Adipose Tissue: Structure and Function - The Adipose Organ - Metabolism of White Adipose Tissue - Leptin - Adiponectin - Adipokines as Regulators of Immunity and Inflammation - Vasoactive Factors and Inflammatory Mediators Produced in Adipose Tissue - Regulation of the Immune Response by Leptin - Leptin in Autoimmune Disease - Leptin and Gastrointestinal Inflammation - Adiponectin and Inflammation - Interactions between Adipocytes and Immune Cells - Macrophages, Adipocytes and Obesity - Interactions of Adipose and Lymphoid Tissues - Adipose Tissue and Mast Cells -

Fields of interest
Endocrinology; Diabetes; Nutrition; Gastroenterology; Human Physiology

Target groups
Endocrinologists, nutritionists, gastroenterologists, physiologists, internists

Type of publication
Contributed volume

Panoramic Radiology
Seminars on Maxillofacial Imaging and Interpretation

Panoramic radiology systems are currently being used in more practices than at other any time in the past. The practitioner now has decisions to make regarding detector technology selection for image acquisition and must remain informed about appropriate usage. This book is applicable to all panoramic dental images and equipment. It approaches panoramic radiology usage in the context of general and specialty applications.

Features
Complete up-to-date collection of information on panoramic radiography usage Up to date Terminology and validated by representatives of individual special disciplines within dentistry Each chapter with educational objectives and review Questions

Contents

Fields of interest
Diagnostic Radiology; Dentistry; Otorhinolaryngology; Head and Neck Surgery

Target groups
Dentists, dental students, dental allied health personnel and students, pediatric dentists, oral and maxillofacial surgeons, orthodontists, periodontologists, oral and maxillofacial radiologists, head and neck radiologists

Type of publication
Professional book

Due April 2007

2007. XIV, 231 p. 178 illus., mostly in color. Hardcover
179,95 €
ISBN 978-3-540-46229-3

Neurodegeneration in Multiple Sclerosis

In multiple sclerosis (MS), conventional magnetic resonance imaging (cMRI) has proved to be a valuable tool to increase diagnostic confidence and for monitoring the efficacy of experimental treatment. However, cMRI has limited specificity and accuracy of cMRI to the most disabling aspects of the MS pathology, known to occur in and outside macroscopic lesions. Modern quantitative MR techniques have the potential to overcome the limitations of cMRI, and their application is changing dramatically our understanding of how MS causes irreversible disability. In detail, there is an increasing body of MR evidence that MS is not only a white matter disease and does not only cause focal lesions, as well as that neurodegeneration is an important aspect of the disease (since the earliest clinical phases), which is only partially related to inflammatory changes. There is also increasing perception that modern MR methodologies should be more extensively employed in clinical trials to derive innovative...

Features
The application of modern quantitative MR techniques is changing dramatically our understanding of how MS causes irreversible disability. These techniques evidence that MS is not only a white matter disease and that neurodegeneration is an important aspect of it

Contents
Background: 1 Neuropathological Advances in Multiple Sclerosis - 2 Neurophysiology - MR Techniques to Assess Neurodegeneration: 3 Atrophy - 4 T1 Black Holes and Gray Matter Damage - 5 Magnetization Transfer Imaging - 6 Perfusion MRI - 7 Diffusion-Weighted Imaging - 8 Proton MR Spectroscopy - 9 Functional MRI - Evaluation of MRI Outcomes: 10 Validation of MRI Surrogates - 11 Defining Responders and Non-responders - 12 Predictive Models in Multimodal Imaging - Lessons from other Neurodegenerative Diseases: 13 Alzheimer’s Disease - 14 Other Neurodegenerative Conditions -

Fields of interest
Neurology; Neurosciences; Imaging / Radiology; Neuroradiology; Nuclear Medicine

Target groups
Neurologists, neuroradiologists, radiologists

Type of publication
Professional book

Due August 2007

2007. XI, 236 p. (Topics in Neuroscience) Hardcover
94,95 €
Complications of Regional Anesthesia

Completely updated and expanded, this new edition of "Regional Anesthesia: Managing Complications", 2nd edition is essential reading for advice on the prevention and management of complications associated with regional anesthesia and nerve blocks. In addition to comprehensive coverage of all potential pitfalls a practitioner may encounter, new material has been added comparing outcomes of regional and general anesthesia; regional anesthesia in the anesthetized patient; closed claims analyses; and practice guidelines to ensure patient safety.

Features
New revision of a significant text on the topic of preventing and managing complications associated with regional anesthesia and nerve blocks

Contents

Fields of interest
Anesthesiology; Surgery

Target groups
Anesthesiologists, anesthesiology residents and nurse anesthetists

Type of publication
Handbook

Due April 2007

Originally published by Churchill as Regional Anesthesia: Managing Complications, 2003

2007. XX, 506 p. Softcover

69,95 €

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Twelve-Lead Electrocardiography

Twelve Lead Electrocardiography: Theory and Interpretation is a revised 2nd edition of Twelve Lead Electrocardiography for ACLS Providers, originally published in 1996. Twelve Lead Electrocardiography for ACLS Providers deals solely with the analysis of the shape (morphology) of ECG waveforms in order to diagnose many conditions not related to rhythm, including ischemia, acute myocardial infarction, and enlargement of heart muscle (hypertrophy). It is aimed at students who already have a familiarity with the analysis of heart rhythms. Almost all other texts of morphologic interpretation for non-cardiologists rely heavily on memorizing electrocardiographic patterns. Memorizing is difficult, and long term retention of memorized data is low. This book is unique because it leads the reader through a set of discrete building blocks of easily understood electrophysiologic principles, and then allows the reader to deduce what the 12 lead electrocardiogram will look like under various circumstances. There [...] 

Features
Leads the reader through a set of discrete building blocks of easily understood electrophysiologic principles. Teaches health professionals to utilize the 12 lead ECG in daily clinical practice. Includes sufficient detail to ensure clinical competence in all important subject areas

Contents

Fields of interest
Cardiology; Emergency Medicine; Intensive / Critical Care Medicine; Primary Care Medicine; Surgery; Nursing

Target groups
Residents in cardiology and internal medicine; emergency physicians, family practitioners, paramedics, physician assistants, nurse practitioners, anesthesiologists, surgeons

Type of publication
Professional book

Due April 2007

Originally published by W. B. Saunders Company, 1996


32,95 €

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Evaluating Clinical Research

The objective of this book is to make its readers better informed and more critical consumers of clinical research to help them recognize the strengths and the weaknesses of scientific publications. In doing so, the reader will be able to distinguish patient-important and methodologically sound studies from those having limitations in design, conduct and interpretation. There are no prerequisites for reading this book. The text is basic and has no statistical formulas. Key take-home messages are listed at the end of each chapter. The large number of cartoons has two purposes: First, to make the text easier to read and generate a few laughs and, second, to underscore specific points, sometimes in a provocative way.

Features
Updates and expands the first edition of this text, released in 1994. The previous edition was only available in Swedish

Contents
What is the Purpose of This Book?.- Why is Benefit-to-Harm Balance Essential to Treatment Decisions?.- What are the Strengths of Randomized Controlled Clinical Trials?.- What are the Weaknesses of Randomized Controlled Clinical Trials?.- Do Meta-Analyses Provide the Ultimate Truth?.- What are the Strengths of Observational Studies?.- What are the Weaknesses of Observational Studies?.- Were the Scientific Questions Specified in Advance?.- Were the Treatment Groups Comparable Initially?.- Why is Blinding/Masking So Important?.- How is Symptomatic Improvement Measured?.- Is it Really [...] 

Fields of interest
Statistics for Life Sciences, Medicine, Health Sciences; Quality of Life Research; Pharmacology/Toxicology

Target groups
Clinicians, practitioners

Type of publication
Monograph

Due August 2007

Originally published by W. B. Saunders Company, 1996


24,95 €
**Macrosocial Determinants of Population Health**

Macrosocial Determinants of Population Health explores social factors such as culture, mass media, political systems, and migration that influence public health while systematically considering how we may best study these factors and use our knowledge from this study to guide public health interventions. Starting from the dual premises that a population is not merely the sum of its individuals and that the improvement of population health is not at odds with the practical desire of improving the health of individuals, Sandro Galea and 33 expert contributors present chapters in three sections. The first section includes eleven chapters that each discuss one macrosocial determinant of population health. The factors covered by these chapters encompass a broad range of intellectual concerns, ranging from regulations and legal frameworks (global governance, patent law and policy), to overarching global phenomena (globalization, migration, urbanization, the media), to a specific consideration of the role [...]" Structural interventions." is a hot topic within the study in public health Will also be of great interest to the ongoing discussion of globalization Sandro Galea is very prominent in this area

**Contents**

Introduction: The role of macrosocial determinants.- Section I: Determinants.- Macrosocial determinants of population health in the context of globalization.- Urbanicity, urbanization, and the urban environment.- Corporate practices.- Political economic systems and the health of populations: Historical thought and current directions.- Climate change.- Global governance.- Macroeconomics.- Culture.- Taxation and population health: "Sin taxes" or structured approaches.- Patent law and policy.- Migration.- Mass media.- Integrative chapter: Macrosocial determinants of population health.- [...]" Structural interventions." is a hot topic within the study in public health Will also be of great interest to the ongoing discussion of globalization Sandro Galea is very prominent in this area

**Fields of interest**

Health Promotion and Disease Prevention; Health Care Administration

**Target groups**

Public health professionals and graduate students in health promotion, health behavior and social epidemiology courses

**Type of publication**

Professional book

Due September 2007

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**Psychoprosthetics**

Psychoprosthetics brings together, into one easily accessible volume, the most recent and exciting research and knowledge in this new field. Psychoprosthetics is defined as the study of psychological aspects of prosthetic use, and of rehabilitative processes in those conditions that require the use of prosthetic devices.

**Features**

- Compiles the most recent research and knowledge of Psychoprosthetics into one accessible volume
- Contributions from well-known clinicians, practitioners, researchers and academics who work with prosthetics

**Contents**

- Psychoprosthetics: An introduction.
- Coping and psychosocial adjustment to amputation.
- Limb loss and body image.
- Pain and prosthetics.
- Cognition and mobility rehabilitation following lower limb amputation.
- Psychological adjustment to lower limb amputation: An evaluation of outcome measurement tools.
- Interventions for psychological issues in amputation: A team approach.
- Anthropology and its individual, social and cultural contributions.
- Embodiment and prosthetics.
- Osseointegration and osseointegrated prosthetic limbs.
- Virtual and augmented reality, phantom experience and [...]" Structural interventions." is a hot topic within the study in public health Will also be of great interest to the ongoing discussion of globalization Sandro Galea is very prominent in this area

**Fields of interest**

Orthopedics; Psychotherapy; Surgical Orthopedics; Rehabilitation

**Target groups**

Prosthetists, occupational therapists, physiotherapists, rehabilitation physicians, engineers, nurses and psychologists

**Type of publication**

Professional book

Due August 2007

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**Cancer Survivorship**

There are now 8-10 million cancer survivors in the United States alone (up from 3 million in 1971). Multiple studies have shown that most survivors today were diagnosed more than 20 years ago. As this former patient population ages, the relationships between secondary malignancies, age-related onset of certain malignancies, and screening and prevention become increasingly important, not only to the patient population, but also to the cancer management team treating the patients. There are multiple resources available to serve as oncology textbooks, but nothing to provide the necessary information on patient care for the non-MD members of the cancer patient management team. Cancer Survivorship provides the necessary information about not only the clinical aspects of caring for survivors, but also the psychosocial impacts. In the post-treatment phase, the management team must go beyond the realm of "conventional" follow-up, helping the patient to intellectually understand and emotionally grasp the [...]" Structural interventions." is a hot topic within the study in public health Will also be of great interest to the ongoing discussion of globalization Sandro Galea is very prominent in this area

**Contents**

Cancer Survivors: A Medical Perspective.- Cancer Survivors: A Nursing Perspective.- Cancer Survivors: A Social Work Perspective.- Survivorship Research.- Surveillance after Primary Therapy.- Late Effects of Cancer Treatments: Surgery, Radiation Therapy, Chemotherapy.- Medical and Psychosocial Issues in Childhood Cancer Survivors.- Medical and Psychosocial Issues in Hodgkin’s Disease Survivors.- Medical and Psychosocial Issues in Testicular Cancer Survivors.- Medical and Psychosocial Issues in Gynecological Cancer Survivors.- Medical and Psychosocial Issues in Breast Cancer Survivors.- [...]" Structural interventions." is a hot topic within the study in public health Will also be of great interest to the ongoing discussion of globalization Sandro Galea is very prominent in this area

**Fields of interest**

Oncology; Cancer Research; Hematology

**Target groups**

Oncologists, Oncologic Nurses

**Type of publication**

Professional book

Due May 2007

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2007. XV, 304 p. Softcover

62,95 €
R.L. Garcea, The University of Colorado at Denver and Health Sciences Center, Denver, CO, USA; D. DiMaio, Yale University School of Medicine, New Haven, CT, USA (Eds.)

**The Papillomaviruses**

This volume will evaluate the carcinogenic risk to humans posed by infection with human papillomaviruses (HPVs). To date, more than 70 HPV types have been identified, of which over 15 have been reported in cervical cancer biopsies. Worldwide, cervical cancer is the second most common cancer in women; approximately 500,000 new cases are diagnosed each year. Although investigations of cervical cancer are most abundant, the report also considers the possible involvement of HPV infection in cancers at other sites of the human body. The rapid advances in papillomavirus biology and vaccine development have surpassed all current summaries of the field.

**Features**

- Complete description of the current state of biology concerning the papillomavirus

**Contents**

- Principles of Human Tumor Virology
- History of Papillomavirus Research
- Phenology and Typing of Papillomaviruses
- The differentiation-dependent life cycle of human papillomaviruses in keratinocytes
- Papillomavirus Structure and Assembly
- Viral Entry and Receptors
- Human Papillomavirus Transcription
- Papillomavirus DNA Replication
- Papillomavirus E5 Proteins
- Human Papillomavirus E6 and E7 Oncogenes
- In Vivo Models for the Study of Animal and Human Papillomaviruses
- The Humoral Immune Response to Human Papillomavirus
- Cell-Mediated Immune Response to Human Papillomavirus

**Fields of interest**

- Immunology; Infectious Diseases; Virology; Microbiology; Cancer Research

**Target groups**

- Libraries, researchers, scientists, professionals, clinicians, physicians, graduate students in the fields of Immunology, Infectious Disease, Virology, Microbiology, Cell Biology, and Cancer Biology/Research

**Type of publication**

Contributed volume

Due March 2007

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A. Giordano, Sbarro Institute for Cancer Research and Molecular Medicine, Temple University, Philadelphia, PA, USA; A. Boxcetel, Sbarro Institute for Cancer Research and Molecular Medicine, Temple University, Philadelphia, PA, USA; R.J. Kurman, Johns Hopkins University School of Medicine, Baltimore, MD, USA (Eds.)

**Molecular Pathology of Gynecologic Cancer**

Molecular Pathology of Gynecologic Cancer focuses on putting successful molecular strategies into practice for the treatment of gynecologic cancer. The volume begins with an explication of the editors’ hypothesis that cancer is mainly a disease of the cell cycle, based on the deregulation of the physiological process of cell reproduction. The following eleven chapters focus on specific issues in gynecologic cancers, including: a proposed model of ovarian serous carcinogenesis, molecular markers for ovarian epithelial cancer, an overview of the pathology of endometrial cancer, molecular genetic aspects of endometrial carcinoma and cervical cancer, a natural history of Human Papilloma Virus (HPV) as it relates to cervical cancer, and hereditary issues in gynecologic cancers. The concluding chapter proposes and outlines a holistic approach to the treatment of female cancer patients. This new volume in Humana’s Current Clinical Oncology series will be necessary reading for clinicians and experimental scientists who are interested in putting successful molecular strategies into practice.

**Features**

- Approaches research into the pathology and treatment of gynecologic oncology from both clinical and experimental perspectives
- Summarizes studies that have correlated screening, diagnosis, and prognosis with structure and expression profiles of molecular markers
- Presents new insights made possible by the introduction of advanced technologies into the field
- Describes the strong association between infection with HPV

**Contents**

- The Cell Cycle and the Molecular Biology of Cancer
- Ovarian Serous Carcinogenesis: A Proposed Model
- Molecular Markers in Epithelial Ovarian Cancer
- Introduction to Endometrial Cancer
- Endometrial Carcinogenesis: An Integrated, Molecular, Histologic and Functional Model of a Dualistic Disease
- Endometrial Carcinoma-Molecular Genetic Aspects: Natural History of Human Papilloma Virus (HPV) Infection in Adolescents and Relationship to Cervical Cancer
- Molecular Genetics of Cervical Cancer
- Prevention and Treatment of Cervical Cancer by Vaccination
- Pathogenesis of Gestational Carcinoma

**Fields of interest**

- Oncology; Pathology; Laboratory Medicine; Cancer Research; Gynecology; Obstetrics/Perinatology

**Target groups**

- Clinical oncologists, cancer researchers, pathologists, obstetricians, gynecologists

**Type of publication**

Contributed volume

Due June 2007

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D.J. Goldberg, Skin Laser & Surgery Specialists of New York and New Jersey, Hackensack, NJ, USA (Ed.)

**Facial Rejuvenation**

A Total Approach

The past decade has seen an explosion in non-surgical techniques that improve the quality, tone and color of aging skin. It is now through a variety of non-surgical, non-invasive approaches, often used in combination, that dramatic skin changes can be induced. This reader-friendly and unique compendium on all aspects of non-invasive facial rejuvenation shows the current approach to non-invasive facial rejuvenation. It describes when and how to use laser and light-like technology, the variety of superficial and deep peels which can be used by themselves or in conjunction with lasers. Last but not least, it also covers the variety of dermal fillers and skin volume enhancement agents and the increasing cosmetic uses of botulinum toxin. Novices as well as experts will benefit from the wealth of experience and expert practical information of the authors who are world-renowned experts in their field.

**Features**

- Covers all aspects of non-invasive facial rejuvenation
- Helps to find the best treatment decisions for the best possible facial cosmetic outcome

**Contents**

- Lasers and Lights
- Photodynamic Photorejuvenation
- LED Low Level Light Therapy
- Botulinum Toxins
- Dermal Fillers
- Chemical Peeling
- Injectable Lipolytics
- Cosmeceuticals

**Fields of interest**

- Dermatology; Plastic Surgery; Otorhinolaryngology; Ophthalmology; General Practice / Family Medicine

**Target groups**

- Dermatologists with an interest in cosmetic procedures and aesthetic dermatology; otorhinolaryngologists, ophthalmologists as well as plastic surgeons

**Type of publication**

Monograph

Due August 2007

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79,95 €

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2007. XII, 189 p. 215 illus. Hardcover

79,95 €
**Advances in Peritoneal Surface Oncology**

This book is a comprehensive compilation of the new knowledge accumulated in peritoneal surface oncology in the dawn of the twenty-first century. It covers the complete spectrum of the latest research carried out in peritoneal malignant dissemination, from its pathogenesis and molecular mechanisms to the latest clinical trials. Additionally, the essentials of perioperative intraperitoneal chemotherapy and the modern histopathological assessment of peritoneal surface malignancy are reviewed. A unique historical perspective on how this new knowledge has unfolded over the years helps point out the future research directions to be pursued. Leading experts in this field from around the world, including the pioneers who gave birth to this new era in oncology, form an unbeatable and outstanding panel of authors.

**Contents**

**Fields of interest**
Oncology

**Target groups**
Clinicians

**Type of publication**
Monograph

Due April 2007

**Features**
- Strong evidence for effects of EDCs, including low-level exposures, on humans and wildlife
- Comprehensive coverage of mechanisms by which EDCs perturb endocrine systems in exposed organisms as well as in their offspring
- Advice to physicians on how to talk to their patients about EDCs in soy
- Perturb endocrine systems in exposed organisms and also in their offspring
- Relatively inexpensive, up to date

**Contents**
- Introduction to Endocrine-disrupting Chemicals
- Endocrine Disruption and the Female
- Endocrine Disruption in the Male
- Endocrine Disruption and the Brain
- Heavy Metals as Endocrine-disrupting Chemicals
- Cellular Mechanisms of Endocrine Disruption: Traditional and Novel Actions
- Endocrine Disruptors, Epigenetically Induced Changes, and Transgenerational Transmission of Characters and Epigenetic States
- Implications of Thyroid Hormone Signaling through the Phosphoinositide-3 Kinase
- Endocrine Disruption and Reproductive Outcomes in Women

**Fields of interest**
Endocrinology; Diabetes; Process and Chemical Engineering; Biotechnology

**Target groups**
Endocrinologists, biomedical engineers, chemical engineers, environmental engineers, biotechnologists, epidemiologists

**Type of publication**
Contributed volume

Due July 2007

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**Endocrine-Disrupting Chemicals**

From Basic Research to Clinical Practice

Endocrine Disrupting Chemicals: From Basic Research to Clinical Practice is the first book that provides comprehensive coverage of the three most important themes in the field of EDC research: the basic biology of EDCs, particularly their effects on reproductive systems; EDC effects on humans and wildlife, including biomedical considerations; and potential interventions and practical advice for dealing with the problem of EDCs. This book presents a translational approach to EDC research, spanning both basic biology and clinical applications, and provides a critical link between the laboratory and the physicians’ office. Scientists and physicians engaged in EDC studies or practice will find that this volume offers insight across all areas of EDC research, including clarifying the mechanisms for EDC effects, understanding the adverse effects of EDCs on humans and wildlife, and offering solutions to the problems created by exposures to EDCs.

**Contents**
- Introduction to Endocrine-disrupting Chemicals
- Endocrine Disruption and the Female
- Endocrine Disruption in the Male
- Endocrine Disruption and the Brain
- Heavy Metals as Endocrine-disrupting Chemicals
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**Target groups**
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**Type of publication**
Contributed volume

Due July 2007

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**Pediatric ENT**

In recent years there has been increasing sub-specialization and a rapid expansion of the range of therapies available to pediatric ENT specialists. This concise, up-to-date textbook deals comprehensively with all the practical and theoretical aspects necessary for those taking exams or wishing to update their knowledge. It is divided into sections covering rhinology, otology and head and neck problems. The uniformly structured chapters cover all relevant topics comprehensively and succinctly. The authors are from Europe and the US and are internationally renowned experts in their fields. This useful and reader-friendly textbook will not only be inspirational to young specialists with an interest in pediatric ENT, but also to those who are due to take their final exams as well as for established specialists in the field.

**Features**
- Most up-to-date book covering paediatric ENT / ORL
- Very useful as preparation for all those who are taking ENT exams
- Relatively inexpensive, up to date
- Portable book covering all ENT docs need to know about paediatric ENT
- Edited and written by world famous experts of the field (the senior Editor, Prof. Graham, is currently President of ESPO)
- Reader-friendly format with uniform structure and the same [...]
Risk Assessment and Risk Communication Strategies in Bioterrorism Preparedness

The anthrax envelopes incident in the United States in 2001 created the impetus for a substantial increase in preparedness for bioterrorist threats among both public health and law enforcement professionals, worldwide. Ever increasing resources are now being allocated for dealing with a wide variety of potential threats, from the reintroduction of eradicated virus such as smallpox to the possibility of genetically engineered novel pathogens. Despite the potential devastating consequences of the various projected bioterror scenarios, it remains remarkably difficult to quantitatively assess the actual risk in each of these scenarios. Nevertheless, such risk assessment is crucial for determining the appropriate allocation of resources for research and preparedness. The public anxiety expected during a large-scale bioterrorism attack may even be more damaging than the direct effects of the bioterrorism agent, both in health-related and economic outcomes. Carefully tailored risk communication is a [...] Features

Scarcity of relevant evidence-based resources Practical approach for coping with current bioterrorism threats Authored by leading scientists with extensive field experience Multidisciplinary approach

Contents

1. Preface. 2. Risk Assessment Strategies. 2.1. Introduction to Bioterrorism Risk Assessment. 2.2 Modeling the Risk and Impact of a Bioterrorism Event. 2.3 Motivation Capabilities and Risk. 2.4 Using Risk Assessment to Direct Preparedness Efforts. 2.5 Surveillance Methods for Early Detection of Bioterrorist Event. 3. Risk Communication. 3.1 Introduction to Bioterrorism Risk Communication. 3.2 Risk Communication Dogma is a Mitigating Tool. 3.3 Communication Techniques in Health Professionals. 3.4 Getting the Message Through. 3.5 Novel Technologies and their Role in Effective Risk [...] Fields of interest

Infectious Diseases; Epidemiology

Target groups

Bioterrorism related workforce (e.g. Homeland security, first responders, military), Epidemiologists and Public health professionals, Risk communication and media personnel, Risk analysts, Environmental health personnel

Type of publication

Proceedings

Due May 2007


59.95 €


AJCC Cancer Staging Atlas

In the model of the popular AJCC Staging manual and AJCC Staging handbook with the EZNMT module, this new product combines the AJCC Staging Atlas with a CD containing all the illustrations from the Atlas. Having the figures from the Atlas available as PowerPoint slides means that users can document the “why” and “how” of their staging decisions. Users can also import figures into presentations for tumor boards, grand rounds, presentations, and journal articles/book chapters.

Contents


Oncology; Surgical Oncology; Pathology; Surgery

Target groups

Medical oncologists, radiation oncologists, oncologic and general surgeons, cancer registrars, clinical social workers, nurses

Type of publication

Atlas

Due May 2007

2007, IX, 352 p. With CD-ROM. Softcover

66.95 €


AJCC Cancer Staging Illustrations in PowerPoint From the AJCC Cancer Staging Atlas

Due May 2007


139.95 €


Risk Assessment and Risk Communication Strategies in Bioterrorism Preparedness

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Due May 2007


59.95 €


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Infectious Diseases; Epidemiology

Target groups

Bioterrorism related workforce (e.g. Homeland security, first responders, military), Epidemiologists and Public health professionals, Risk communication and media personnel, Risk analysts, Environmental health personnel

Type of publication

Proceedings

Due May 2007


139.95 €


Risk Assessment and Risk Communication Strategies in Bioterrorism Preparedness

The anthrax envelopes incident in the United States in 2001 created the impetus for a substantial increase in preparedness for bioterrorist threats among both public health and law enforcement professionals, worldwide. Ever increasing resources are now being allocated for dealing with a wide variety of potential threats, from the reintroduction of eradicated viruses such as smallpox to the possibility of genetically engineered novel pathogens. Despite the potentially devastating consequences of the various projected bioterror scenarios, it remains remarkably difficult to quantitatively assess the actual risk in each of these scenarios. Nevertheless, such risk assessment is crucial for determining the appropriate allocation of resources for research and preparedness. The public anxiety expected during a large-scale bioterrorism attack may even be more damaging than the direct effects of the bioterrorism agent, both in health-related and economic outcomes. Carefully tailored risk communication is a [...] Features

Scarcity of relevant evidence-based resources Practical approach for coping with current bioterrorism threats Authored by leading scientists with extensive field experience Multidisciplinary approach

Contents

1. Preface. 2. Risk Assessment Strategies. 2.1. Introduction to Bioterrorism Risk Assessment. 2.2 Modeling the Risk and Impact of a Bioterrorism Event. 2.3 Motivation Capabilities and Risk. 2.4 Using Risk Assessment to Direct Preparedness Efforts. 2.5 Surveillance Methods for Early Detection of Bioterrorist Event. 3. Risk Communication. 3.1 Introduction to Bioterrorism Risk Communication. 3.2 Risk Communication Dogma is a Mitigating Tool. 3.3 Communication Techniques in Health Professionals. 3.4 Getting the Message Through. 3.5 Novel Technologies and their Role in Effective Risk [...] Fields of interest

Infectious Diseases; Epidemiology

Target groups

Bioterrorism related workforce (e.g. Homeland security, first responders, military), Epidemiologists and Public health professionals, Risk communication and media personnel, Risk analysts, Environmental health personnel

Type of publication

Proceedings

Due May 2007


139.95 €

**AJCC Cancer Staging Illustrations in PowerPoint®**

From the AJCC Cancer Staging Atlas

In the model of the popular AJCC Staging manual and AJCC Staging handbook with the EZTNM module, this new product combines the AJCC Staging Atlas with a CD containing all the illustrations from the Atlas. Having the figures from the Atlas available as PowerPoint® slides means that users can document the “why” and “how” of their staging decisions. Users can also import figures into presentations for tumor boards, grand rounds, presentations, and journal articles/book chapters.

**Fields of interest**
- Oncology; Surgical Oncology; Pathology; Surgery

**Target groups**
- Medical oncologists, radiation oncologists, oncologic and general surgeons, cancer registrars, clinical social workers, nurses

**Type of publication**
- Application software

Due May 2007

2007. CD-ROM. Jewel case

32,95 €

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**Targeted Interference with Signal Transduction Events**

Sequencing of the human genome and insights into signaling pathways have contributed to the understanding of cancer etiology and the development of new, improved cancer drugs. DNA mutations of a limited set of genes are responsible for the multiple stages of tumorigenesis and metastasis. Matching of therapeutic intervention with insights into the underlying molecular disease mechanism has led to the development of drugs such as Herceptin and Glivec. The deregulation of pathways due to mutated cancer genes provides the conceptual basis for future progress. Will it be possible to extrapolate this principle and derive more efficient drugs targeting cancer pathway components? Potential drug targets have been identified, but our ability to predict the consequences of inhibition of such components is still limited. The state of development of tomorrow’s cancer drugs, directed against growth factors, growth factor receptors and intracellular signaling molecules with kinase activities, is described in this book.

**Contents**

**Fields of interest**
- Cancer Research; Oncology; Molecular Medicine

**Target groups**
- Clinicians and researchers

**Type of publication**
- Monograph

Due June 2007

2007. IX. 188 p. 35 illus. in 45 separate illus., 23 in color. (Recent Results in Cancer Research, Vol. 172) Hardcover

89,95 €
ISBN 978-3-540-31208-6

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**Current News in Cardiology**


Aim of the volume is to give an overview of the state of the art on the emerging cardiac pathologies such as acute coronary syndromes, atrial fibrillation, sudden death, heart failure, global cardiovascular prevention and syncope. The volume chapters, written by leading experts in these fields, offer the latest information about epidemiology, pathophysiology, diagnosis and novel treatments of these pathologies. Addressed to cardiologists, internists, first aid clinicians, practitioners, it will be very helpful also for residents, nurses and all health professionals involved in the management of cardiac pathologies.

**Contents**

**Fields of interest**
- Cardiology; Internal Medicine

**Target groups**
- Cardiologists, internists, first aid clinicians, physicians of general medicine, fellows, nurses and technicians with high interest in the whole management of cardiac pathologies

**Type of publication**
- Proceedings

Due May 2007

2007. XVI. 447 p. Hardcover

119,95 €

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**F.L. Greene, Carolinas Medical Center, Charlotte, NC, USA; C.C. Compton, National Cancer Institute, Bethesda, MD, USA; A.G. Fritz, National Cancer Institute, Bethesda, MD, USA; J. Shah, Memorial Sloan-Kettering Cancer Center, New York, NY, USA; D.P. Winchester, Evanston Northwestern Healthcare, Evanston, IL, USA (Eds.)**

B. Groner, Institute for Biomedical Research, Frankfurt/Main, Germany (Ed.)

M.M. Gulizia, "Garibaldi-Neisma" Hospital, Catania, Italy (Ed.)
Achieving Excellence in Medical Education

A goldmine of theoretical insights and practical suggestions, "Achieving Excellence in Medical Education" explores the essential question facing medical educators and learners today: What is our vision of educational excellence, and what can we do to enhance our performance? Among the topics explored within this engaging, informative, and thought-provoking text are: Education’s position as a priority of medical schools, seminal educational insights from non-medical educators, best practices of outstanding educators and learners, promises and pitfalls of new educational technologies, key resources for promoting excellence in medical education, medical education’s role in preparing future leaders, leadership roles for medical schools in universities and society.

Features
- Analyzes education’s position as a priority of medical schools
- Reveals best practices of outstanding educators and learners
- Explores the promises and pitfalls of new educational technologies
- Offers resources for promoting excellence in medical education

Contents
- Section 1: Introductory Chapters
  - Preamble
  - Implementation Theory and Literature Review
  - Systems Design and Analysis
  - Description of the Model
  - Description of CHESS
  - Section 2: Case Studies
  - Union Hospital
  - Strand Hardin Health Care
  - Grace Hospital
  - Associated Practice
  - Simpson Clinic
  - State Caregiver Support Agency
- Section 3: Concluding Section
  - Key Learning and Advice for Implementers
- Appendix
- Index

Fields of interest
- Imaging / Radiology
- Medical Education

Target groups
- Medical educators

Type of publication
- Graduate/advanced undergraduate textbook

Due July 2007

Investing in E-Health

What it Takes to Sustain Consumer Health Informatics

As the Internet’s presence in health care grows more pervasive, an increasing number of health care providers have begun to implement eHealth innovations in their practice. The interactive health communication system (IHCS), one such eHealth solution, provides consumers with information, informal support, and a venue for communication. Investing in E-Health: What it Takes to Sustain Consumer Health Informatics examines the evolution of the IHCS and the significant changes in organizational culture and operational systems that may be required for successful and sustained implementation. This book explores the development of a model (funded by the Agency for Healthcare Research and Quality in 1998) to predict and explain the degree of success of such implementation efforts. This model allows an institution to benchmark its progress towards IHCS implementation and advises administrators where to invest resources to increase the chance of successful implementation. A set of case studies highlights key aspects of the model.

Features
- Several in-depth case studies illuminate the implementation model put forward, and allow readers to experience its effectiveness in real situations without having to actually employ it
- The vision of the book is unique to the field of Health Informatics, taking into account the impact of an existing organizational culture on the success of an information technology implementation effort

Contents
- Section 1: Introductory Chapters
  - Preamble
  - Implementation Theory and Literature Review
  - Systems Design and Analysis
  - Description of the Model
  - Description of CHESS
  - Section 2: Case Studies
  - Union Hospital
  - Strand Hardin Health Care
  - Grace Hospital
  - Associated Practice
  - Simpson Clinic
  - State Caregiver Support Agency
- Section 3: Concluding Section
  - Key Learning and Advice for Implementers
- Appendix
- Index

Fields of interest
- Health Informatics & Health Administration

Target groups
- Practicing professionals and students in all areas of medical informatics, hospital administration, and health care, professionals in hospitals, clinics, and large health care organizations who are responsible for making decisions about the adoption of eHealth technologies and planning strategies for their implementation, consultants in advisory positions to health care institutions and government professionals in Health and Human Services or Public Health departments, professors and...

Type of publication
- Monograph

Due September 2007
Oculoplastics and Orbit

The second volume of "Oculoplastic and Orbital Surgery" follows in the fine tradition of this exceptional series. Significant advances continue to be made within this subspecialty and are well represented in this new volume. Readers are offered a review of many interesting subjects in much greater detail than can be covered in the usual journal format. In-depth reviews of orbital disorders such as capillary hemangiomas and venolymphatic malformations are presented, offering new strategies in diagnosis and management. Other orbital chapters include: Dermis fat implants; Orbital volume augmentation with expander seeds with a minimally invasive approach; Surgical rehabilitation of the exenterated socket; New immunologic concepts in the diagnosis and management of thyroid ophthalmopathy. Eyelid disorders are reviewed discussing subjects such as: Repair of ectropion and entropion; transconjunctival surgery of the lower eyelid retractors; Current concepts in Mohs excision and reconstruction for eyelid [...]

Features
Indispensable for continuous education and advanced training All editors with international reputation and contributing authors with great expertise in their topic Well-structured text and design, quick and easy to read Bridges the gap between primary literature and daily practice Every 2nd year each subject is covered with timely information about new developments in the specialised field

Contents

Fields of interest
Ophthalmology; Plastic Surgery; Otorhinolaryngology; Oral and Maxillofacial Surgery; Minimally Invasive Surgery

Target groups
Ophthalmologists as well as maxillary, facial plastic surgeons and microsurgeons

Type of publication
Monograph

Due September 2007

2007. XX, 282 p. 301 illus. (Essentials in Ophthalmology) Hardcover

89,95 €
ISBN 978-3-540-33675-4

Living with Coronary Disease

Coronary heart disease affects men and women equally and starts in childhood. People of all ages, particularly the young, should understand what coronary heart disease is and what can be done to prevent it, or at least, delay it for as long as possible. Living with Coronary Disease is accessible to patients, avoiding the use of medical jargon. The authors aim to dispel the natural fears of the condition to allow readers more control over their health and future.

Features
Topic of current interest in an accessible language Clearly conveyed messages set out in key points and boxed summaries

Contents
Angina and Heart Attacks.- The Heart: How it Works and What Can Go Wrong.- Angina.- Heart Attacks.- Cholesterol and Other Blood Fats.- Food, Drink and Weight.- Exercise and Rehabilitation.- Diabetes.- High Blood Pressure (Hypertension).- Smoking,- Stress and Coronary Heart Disease.- Heart Problems in Women.- Impotence and Sexual Aspects of Coronary Heart Disease.- Tests and Procedures for Angina and Heart Attacks.

Fields of interest
Cardiology: General Practice / Family Medicine; Internal Medicine

Target groups
Patients with coronary heart disease and those who have an interest in preventing it: Junior Doctors, Nursing staff, GPs

Type of publication
Handbook

Due July 2007

2007. XVI, 260 p. 17 illus., 14 in color. Softcover

32,95 €

Inflammation in the Pathogenesis of Chronic Diseases

The COX-2 Controversy

The authors provide exciting and enlightening perspectives on COX-2 and related molecular targets in the future of medicine, including historical perspectives on the discovery and development of aspirin, ibuprofen, and compounds that selectively inhibit COX-2, and the potential for development of new compounds with better efficacy and safety in the 21st century. Specific chapters illuminate the role of inflammatory mechanisms in the pathogenesis of arthritis, cardiovascular disease, cancer, neurodegenerative disease, diabetes mellitus, obesity, and other life-threatening and debilitating conditions. Experts in cardiovascular medicine explore the "COX-2 controversy" regarding adverse effects of some (not all) selective COX-2 inhibitors on the cardiovasculature. Important findings are documented in cancer research showing that selective COX-2 inhibitors have powerful antineoplastic effects against major forms of cancer. A special section explores the current evidence supporting the role of COX-2 and [..]

Features
A comprehensive treatise on COX-2, inflammation and disease A spell-binding look at the COX-2 controversy New and exciting findings on COX-2 blockade in cancer prevention and therapy as well as the prevention of Alzheimer's disease and other neurodegenerative conditions COX-2 and the immunomodulation of cancer

Contents
From the contents Preface. Contributors.- I. Historical Perspectives.- II. Inflammatory Mechanisms of Pathogenesis.- III. Inflammation and Cardiovascular Disease: the Coxib Controversy.- IV. COX-2 Blockade in Cancer Prevention and Therapy.- V. Inflammation and Neurodegenerative Disease.- VI. Nutrition, Inflammation and Chronic Disease.- Index

Fields of interest
Cancer Research; Pathology; Cardiology; Neurology; Immunology; Neurosciences

Target groups
Scientists in medical research specializing in studies of arthritis, cardiovascular disease, cancer, neurodegenerative disease, diabetes mellitus, inflammation, nutrition and obesity, professionals in medicine, pharmacy, allied health, public health, and basic science; libraries of medicine and medical research; pharmaceutical industry

Type of publication
Contributed volume

Due April 2007


144,95 €
ISBN 978-1-4020-5687-1
A Life (Un)Worthy of Living
Reproductive Genetics in Israel and Germany

Based on a variety of empirical materials the study reveals dramatic differences between the way the German and Israeli societies address the question of a life (un)worthy of living: while in Germany, social, cultural, religious and legal conditions restrict the selection of embryos based on prenatal diagnosis, in Israel they strongly encourage it. A close comparative analysis of the ways that these two societies handle the delicate balance between the quality and sanctity of life illuminates the controversy around reproductive genetics in an original and provocative way. The study is also innovative in its use of contemporary social theory concerning the politics of life in comprehending the differences between two societies positioned at opposite extremes in their adoption of reproductive genetics. It thus offers an original cross-cultural discussion concerning present-day techno-medical manipulations of life itself.

Features
Deals with cutting edge questions regarding human reproduction, genetics and the social application of new reproductive technologies. Develops new concepts for discussing present day genetic manipulations of life itself, and contributes to both academic and political discussions concerning the biopolitics of the beginning of life. Contributes to the social study of science and technology by arguing that...

Contents
Foreword. 1. Theoretical Background. 2. Methodology. 3. Getting to Know the Field of Reproductive Genetics in Israel and Germany. 4. Genetic Counselors’ Moral Practices. 5. Abortions on Embryopathic Grounds: Policy and Practice in Israel and Germany. 6. Sex Chromosome Anomalies (SCA) in Israel and Germany: Assessing “Birth Defects” and Medical Risks According to the Importance of Fertility. 7. “Wrongful Life”, in the eyes of the law, the counselors and the disabled. 8. The Conflicts between Individuals, Families and Society, as well as between Different Family Members, Embodied...
ESR Spectroscopy in Membrane Biophysics

Spectroscopic methods are not only important as an analytical tool, they also provide information about fundamental physical and chemical properties of molecules, the molecular and electronic structure, and the dynamic behaviour of molecules. Starting from a comprehensive quantum mechanical description, ESR Spectroscopy in Membrane Biophysics introduces the optical (IR, Raman, UV/Vi, CD, Fluorescence and Laser spectroscopy) and magnetic resonance (1D and 2D-NMR, ESR) techniques. ESR Spectroscopy in Membrane Biophysics is a timely review of the increasing interest in using spin label ESR as an alternative structural technique for NMR or X-ray diffraction. It is aimed at training an audience to learn ESR spectroscopy to determine membrane protein structures, conformational dynamics and protein-lipid interaction.

Features
Includes detailed analysis of Distance measurements and Accessibility measurements. Examines the characterization of the polarity in the nitroxide micro-environment. Future aspects will treated as well, but only as an illustration of the progress of ESR in this field. Also covers Molecular dynamics simulations to analyze ESR line shapes. High-field ESR applications, Time-resolved ESR and advanced spectral analysis

Contents
Advanced ESR Spectroscopy in Membrane Biophysics. - Problems and Solutions of The Spin Hamiltonian. - Problems and Solutions of Powder Spectra Calculation with Various Distributions. - Problems and Solutions. - Confidence Intervals and Parameters' Correlations. - Methods for Study of Protein Dynamics and Protein-Protein. - Multi-Frequency EPR Spectroscopy Studies of the Structure and Conformational Changes of Site-Directed Spin Labeled Membrane Proteins. - Site-Directed Spin Labeling and Multi-Frequency EPR Reveal the Conformational Dynamics of Membrane Bound Protein Complexes. - High-Field EPR [...]

Fields of interest
Imaging / Radiology; Biochemistry, general; Atoms, Molecules, Clusters and Plasmas; Biophysics; Solid State Physics and Spectroscopy

Target groups
Graduate students learning ESR spectroscopy to determine membrane protein structures, conformational dynamics, and protein-lipid interaction, scientists, graduate students, and other researchers involved in the fields of Imaging/Radiology, Biochemistry, Atoms, Molecules, and Clusters, Biophysics, and Spectroscopy

Type of publication
Contributed volume

Due March 2007

Fundamentals of Pap Test Cytology

This book is intended as a practical primer on The Pap Test. The uniform layout and the selective use of bold text, tables and highlighted areas are user-friendly, and intended to render finding of specific information rather effortless. The book is also intended to help the reader readily understand the diagnostic implications of various lesions.

Features
Reader-friendly use of bold text and tables Clinically important information that is easy to find A short dictionary of the Pap test, basic cytology principals, and anatomy for easy and quick reference

Contents

Fields of interest
Pathology; Laboratory Medicine

Target groups
Cytotechnologists and cytopathologists, pathologists

Type of publication
Contributed volume

Due April 2007

2007. XIV, 238 p. Softcover
54.95 €
ISBN 978-1-58829-768-6

96.95 €
ISBN 978-1-58829-958-8

Fundamentals of Pap Test Cytology

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Type of publication
Contributed volume

Due April 2007

2007. XIV, 238 p. Hardcover
96.95 €
ISBN 978-1-58829-959-8

54.95 €
ISBN 978-1-58829-768-6
Diseases of the Heart, Chest & Breast

Diagnostic Imaging and Interventional Techniques

This book deals with imaging of diseases of heart, chest and breast. These fields have substantially advanced during the last few years, driven by both clinical developments and advances in imaging technology. The authors contributing to the volume are internationally renowned experts in their field; their chapters are disease-oriented and cover all the relevant imaging modalities, including standard radiography, CT, nuclear medicine with PET, ultrasound and magnetic resonance imaging, as well as imaging-guided interventions. As a result, this book presents a comprehensive review of current knowledge in imaging of the heart and chest, as well as thoracic interventions and a selection of “hot topics” of breast imaging. It will be particularly relevant for residents in radiology, but also very useful for experienced radiologists and clinicians specializing in thoracic disease and wishing to update their knowledge of this rapidly developing field.

Contents
From the contents Current Concepts in Diagnosis and Staging of Lung Cancer. Computed Tomography of Solitary Pulmonary Nodules. CT Diagnosis and Management of Focal Lung Disease: Small Pulmonary Nodules. Plain-Film and CT Evaluation of the Adult Mediastinum and Hilum: Pitfalls vs. Disease. Current Approaches to Assessing Chronic and Acute Airway Diseases. Current Approaches to Imaging Acute and Chronic Airway Disease. Volumetric Computed Tomography of the Tracheobronchial Tree. CT Evaluation of the Pediatric Chest in Routine Practice. Imaging of the Newborn Chest. The Pulmonary Vessels: [...] Fields of interest Imaging / Radiology; Diagnostic Radiology; Interventional Radiology Target groups Radiologists Type of publication Professional book

Due March 2007

Emergencies in Urology

Emergencies in Urology is a comprehensive textbook covering one of the few remaining white spots on the map of urological literature. To date only a small number of publications have been dedicated to the topic of urgent and emergent problems in urology – important as these are in our daily clinical life. Therefore the editors, both of them internationally recognized urological experts, have taken the effort to present an in-depth study into virtually every possible urgent urological situation with which a urologist may be confronted today. Consequently, the book includes chapters on topics such as urological trauma, ureosepsis, urinary obstruction, oncological emergencies, intra- and postoperative complications, acute problems in children, and many more. To obtain the best possible expertise in such a wide field, renowned expert authors have contributed their experience to this book. They did so not only by writing the regular book chapters but also by delivering short stories about urgent situations [...] Features Provides a comprehensive review of all urgent problems in Urology The authorship is comprised of leading experts in the world First class drawings illustrate the procedure


Due May 2007

Aging: The Paradox of Life

Why We Age

For centuries people have been puzzled by the inevitability of human aging. For most of the second half of the twentieth century aging remained a mystery, or an unsolved biological problem. At the end of the 20th century a remarkable scientific discovery emerged. It was not a single discovery in the usual sense, because it was based on a series of important interconnected insights over quite a long period of time. These insights made it possible for the very first time to understand the biological reasons for aging in animals and man. It can already be said, however, that many observations and insights that explain aging will not be accepted as established knowledge for a long time. The field is still full of scientists, and non-scientists, who are just happy to go on speculating about the ’mystery’ of aging. The aim of this book is to dispel ignorance by explaining in non-technical language what are the reasons for aging and the myth of excessive prolongation of life.

Features The first overview of the topic written in non-technical language Because it avoids technical terminology, it is easily readable Covers a lot of ground that can only be found in specialized monographs or journals The author has a wide ranging knowledge of all the important areas of biology Also discusses ageing and longevity in relation to human activities such as religion and war


Fields of interest Geriatrics/Gerontology; Molecular Medicine; Cell Biology; Evolutionary Biology; Biochemistry, general

Target groups Lay readers, who want to find out why people and animals age, scientists in academic and research fields other than ageing who would like to know more about our present understanding of the biological reasons for ageing, clinicians who understand the enormous importance of age-associated diseases, and would like to know more about their origins and other features of human ageing

Type of publication Monograph

Due March 2007

2007. XV, 134 p. Hardcover

34,95 € ISBN 978-1-4020-5640-6
**Medical Retina**

The specialty of medical retina remains one of the most challenging fields in ophthalmology. Fortunately, in the past few years the standard of knowledge in the area of medical retina has improved substantially. The insight in basic mechanisms of disease has been expanded and novel diagnostic and efficacious therapeutic strategies have been developed bridging the gap between laboratory and clinical science. For example, new developments in ophthalmic imaging have contributed significantly to our understanding of the pathophysiology and treatment of various retinal diseases. This volume encompasses the application of confocal scanning laser ophthalmoscopy including fundus autofluorescence imaging as well as the mapping of central visual function by microperimetry. It also covers anti-VEGF therapy that has revolutionized the treatment of neovascular age-related macular degeneration. The next big challenge, the management and treatment targets for dry AMD is also presented as well as the practical [...]  

**Features**

Indispensable for continuous education and advanced training All editors with international reputation and contributing authors with great expertise in their topic Well-structured text and design, quick and easy to read Bridges the gap between primary literature and daily practice Every 2nd year each subject is covered with timely information about new developments in the specialised field

**Contents**

- Microperimetry in Macular Disease
- New Developments in cSLO Fundus Imaging
- Genetics of Age-Related Macular Degeneration: Update
- Anti-VEGF Treatment for Age-Related Macular Degeneration
- Intravitreal Injections: Techniques and Sequences
- Combination Therapies for Choroidal Neovascularization
- Nutritional Supplementation in Age-related Macular Degeneration
- New Perspectives in Geographic Atrophy Associated with AMD
- Diabetic Macular Edema: Current Treatments
- Treatment of Retinal Vein Occlusions
- New Perspectives in Stargardt’s Disease
- Idiopathic Macular [...]  

**Fields of interest**

Ophthalmology; Nursing Management/Nursing Research; Science, general  

**Target groups**

Ophthalmologists in clinical and private practice, residents, ophthalmologists-in-training as well as optometrists and ophthalmic nurses

**Type of publication**

Monograph

**Due July 2007**

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**Atlas of Fundus Autofluorescence Imaging**

During recent years, FAF (Fundus autofluorescence) imaging has been shown to be useful in various retinal diseases with regard to diagnostics, documentation of changes, identification of disease progression, and monitoring of novel therapies. Hereby, FAF imaging gives additional information above and beyond conventional imaging tools. This unique atlas provides a comprehensive and up-to-date overview of FAF imaging in retinal diseases. It also compares FAF findings with other imaging techniques such as fundus photograph, fluorescein- and ICG angiography as well as optical coherence tomography. General ophthalmologists as well as retina specialists will find this a very useful guide which illustrates typical FAF characteristics of various retinal diseases.

**Features**

Fundus autofluorescence (FAF) imaging provides new information on diagnostics and novel therapies regarding retinal diseases. Provides a comprehensive and up-to-date overview of FAF imaging in retinal diseases. Lavishly illustrated atlas. Written by renowned international experts

**Contents**

- Part I Methodology: Lipofuscin of the Retinal Pigment Epithelium — Origin of Fundus Autofluorescence
- Fundus Autofluorescence Imaging with the Confocal Scanning Laser Ophthalmoscope
- How To Obtain the Optimal Fundus Autofluorescence Image with the Confocal Scanning Laser Ophthalmoscope
- Autofluorescence Imaging with the Fundus Camera
- Macular Pigment Measurement — Clinical Applications
- Evaluation of Fundus Autofluorescence Imaging
- Part II Clinical Applications
- Macular and Retinal Diseases
- Discrete Lines [...]  

**Fields of interest**

Ophthalmology; Imaging / Radiology

**Target groups**

General ophthalmologists; retina specialists; researchers in the field of retinal imaging and retinal diseases; clinicians as well as residents in-training

**Type of publication**

Monograph

**Due September 2007**

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2007. XIV, 342 p. Hardcover

79,95 €

ISBN 978-3-540-71993-9

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**Gene Therapy for Cancer**

The possibility of treating cancer, a disease frequently defined by genetic defects, by introducing genes that target these very alterations has generated tremendous enthusiasm. This enthusiasm, however, has been tempered by an increasing number of obstacles to successful therapy, including vector systems that do not reach systemic metastases, therapeutic genes with redundant mechanisms allowing for cellular resistance, and toxicities in clinical trials that result in premature closure. The three comprehensive sections of this volume present currently available cancer gene therapy techniques, with specific attention to these trouble spots. Part I describes the various aspects of gene delivery including vehicles, or vectors, and their respective characteristics and production methods. In Part II, the contributors discuss strategies and targets for the treatment of cancer, including methods for cell-death therapies, correction of underlying genetic defects at the molecular level, and activation of [...]  

**Features**

Vectors used in gene therapy for cancer Characteristics and production methods of cancer gene vectors Targets and specific approaches for the therapy of cancer Clinical applications of cancer gene therapy Background knowledge, technical details, and preclinical and clinical results for cancer gene therapy Provides a concise presentation of the current knowledge in cancer gene therapy Will prove incredibly [...]  

**Contents**

- Adenovector-mediated Cancer Gene Therapy
- Efﬁcacy, Toxicity and Immunogenicity of Adenoviral Vectors
- Lentiviral and Retroviral Vector Systems
- Vaccinia and Pox-Virus
- Spinning Straw into Gold: The Potential of Replicating Herpes Simplex Virus as a Therapy for Cancer revealed by Genetic Alchemy
- Alphavirus Vectors for Gene Therapy Applications
- Vesicular Stomatitis Virus and RNA Viruses as Gene Therapy Vectors
- Parovirus Vectors
- Non-Viral Vector Systems
- Oncogenes, Tumor Suppressor Genes, and Apoptosis-Inducing Genes Utilized in Cancer Gene Therapy
- Gene Silencing Therapy

**Fields of interest**

Oncology; Hematology; Cancer Research

**Target groups**

Oncologists, hematologists, cancer researchers, geneticists

**Type of publication**

Contributed volume

**Due April 2007**

2007. 600 p. 69 illus., 16 in color. (Cancer Drug Discovery and Development) Hardcover

134,95 €

**Bioactive Egg Compounds**

Hen eggs have exceptional potential as an inexhaustible source for a variety of products with unique properties. These products are valuable to human health and nutrition and can be used as raw materials for diverse purposes in the cosmetics and pharmaceutical industries. Bioactive Egg Compounds presents the latest results and concepts in the biotechnological use of egg compounds. Following an introduction to the different compounds of egg white, yolk and shell, the nutritive value of egg compounds is discussed. Procedures for processing egg compounds to improve their nutritive value are described, including the concept of so-called enriched eggs. Also described is the isolation and application of egg compounds with special properties, such as antibiotic action. The chapters are by authors from 12 countries, all renowned specialists, who are active in various fields of egg research, such as quality control, biochemistry, biophysics and biotechnology.

**Features**
The book is a result of the European COST (European Cooperation in the Field of Scientific and Technical Research) Action 923 on Multidisciplinary Hen Egg Research "... an egg is a chemical storehouse for a potential new life" (from the description of the COST program)

**Fields of interest**
Animal Biochemistry; Nutrition; Food Science; Agriculture; Biomedical Engineering; Biotechnology

**Target groups**
Scientists and researchers in universities, other academic institutions and in the industry

**Type of publication**
Contributed volume

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**Acquired Cystic Disease of the Kidney and Renal Cell Carcinoma**

Complication of Long-Term Dialysis

The detailed and comprehensive observations presented in this book on acquired cystic disease of the kidney and renal cell carcinoma in dialysis patients are drawn from the author’s nearly three decades of experience. Beginning with the first clinical case in 1978 and including subsequent follow-up studies and questionnaires, the volume is an excellent clinical reference for practicing physicians. As the author makes clear, it is essential that examination before operations for renal transplantation should include imaging of the original kidneys. Extensive use of color illustrations and numerous case studies assist the reader in understanding the nature of acquired renal cystic disease and renal cell carcinoma, how they are diagnosed, and how screening should be conducted for renal cell carcinoma in dialysis patients. This essential information has never been more important than now, in view of the growing number of hemodialysis patients.

**Features**
Discloses many important findings on acquired cystic disease of the kidney and renal cell carcinoma

**Fields of interest**
Nephrology; Urology/Andrology

**Target groups**
Nephrologists

**Type of publication**
Monograph

**Due April 2007**

2007. X, 111 p. 144 illus., 5 in color. Hardcover

69.95 €
ISBN 978-4-431-69483-0

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**Exercise-Induced Acute Renal Failure**

Acute Renal Failure with Severe Loin Pain and Patchy Renal Ischemia after Anaerobic Exercise

Acute renal failure induced by rhabdomyolysis after strenuous, prolonged exercise such as marathon running or mountain climbing is a well-known medical phenomenon, but exercise-induced acute renal failure after short-term anaerobic exercise - for instance, short-distance track races - has been recognized only recently. This monograph provides in-depth information on exercise-induced acute renal failure after short-term anaerobic exercise, which causes severe pain in the loin and patchy renal ischemia with no sign of rhabdomyolysis. Half of the patients suffering from this condition experience renal hypouricemia, for which approximately 20% are treated with dialysis. This complete clinical reference book includes characteristics of the disease, diagnosis, treatment and prognosis, and corresponding preventive measures. Important information on gene analysis and etiology is also included, creating a valuable resource for nephrologists as well as for emergency physicians and those in the field of [..]

**Fields of interest**
Nephrology; Emergency Medicine

**Target groups**
Nephrologists

**Type of publication**
Monograph

**Due June 2007**

2007. 108 p. 76 illus., 5 in color. Hardcover

59.95 €
ISBN 978-4-431-69483-0
Linear and Generalized Linear Mixed Models and Their Applications

This book covers two major classes of mixed effects models, linear mixed models and generalized linear mixed models, and it presents an up-to-date account of theory and methods in analysis of these models as well as their applications in various fields. The book offers a systematic approach to inference about non-Gaussian linear mixed models. Furthermore, it has included recently developed methods, such as mixed model diagnostics, mixed model selection, and jackknife method in the context of mixed models. The book is aimed at students, researchers and other practitioners who are interested in using mixed models for statistical data analysis. The book is suitable for a course in a M.S. program in statistics, provided that the section of further results and technical notes in each of the first four chapters is skipped. If these four sections are included, the book may be used for a course in a Ph. D. program in statistics. A first course in mathematical statistics, the ability to use computers for [...] 

Features
Concentrates on two major classes of mixed effects models, linear mixed models and generalized linear mixed models. Offers an up-to-date account of theory and methods in the analysis of these models as well as their applications in various fields.

Contents

Fields of interest
Statistical Theory and Methods; Health Care Administration; Numerical Analysis; Genetics and Population Dynamics

Target groups
Researchers, graduate students, practitioners

Type of publication
Monograph

Due April 2007

Medicinal Applications of Coordination Chemistry

Metals in pharmaceuticals have played an increasingly important role in medicine over the last century, particularly in cancer therapy and diagnostic imaging methods. Medicinal Applications of Coordination Chemistry focuses on the role that transition metals play in clinical applications. Medicinal Applications of Coordination Chemistry begins with a brief historical review and an introduction to the chemistry of d- and f-block metals. Subsequent sections discuss metalloids for a number of different applications, the design of new drugs and the relationship between structure and function. Key sections include diagnostic applications of metal compounds in anatomical and functional imaging, and therapeutic applications of metals compounds. This book is ideal for researchers in academia and industry and comes complete with examples of real life applications.

Features
Combines a very concise introductory account of the coordination chemistry of metals with an overview of the use of coordination compounds in medicine. Aims to introduce the pharmacist/clinician to metal chemistry and the chemist to the medical applications of metal complexes.

Contents

Fields of interest
Inorganic Chemistry; Medicinal Chemistry; Organometallic Chemistry; Medical Biochemistry; Oncology

Target groups
Researchers in academia and industry

Type of publication
Reference work

Due May 2007

Implantable Cardioverter Defibrillator Stored ECGs

Implantable Cardioverter Defibrillator Stored ECGs instructs the reader on the appropriate and optimal reading of device diagnostics in clinical practice using a format developed around low text volume, charts, and practical (hands-on) protocols that can be used directly during ICD follow-up. This concise didactic reference book provides clinical information via the use of images to illustrate specific diagnostic features in defibrillator therapy. The first part consists of chapters on defibrillator diagnostics, followed by case-based presentations with images, actual patient histories and a summary paragraph. All common and some rarer situations are covered.

Features
Comprehensive clinical review of the use of stored ICD ECGs

Contents
Diagnostics and Therapy by the ICD: Better than the Cardiologist.- Rhythm Classification by Arrhythmia Management Devices.- Device Diagnostics.- Understanding Stored Electrograms.- A Practical Approach and How to Analyze Stored Electrograms.- Clinical Case Studies.

Fields of interest
Cardiology; Cardiac Surgery; Internal Medicine

Target groups
Individuals appearing for the pacemaker or electrophysiology board certification exams; trainers in general cardiology and electrophysiology; pacemaker and ICD technicians; CCU and ICU nurses and physicians

Type of publication
Professional book

Due July 2007
Retinal Vascular Disease

Vascular diseases of the retina are a major cause of blindness among all age groups. Edited and written by internationally well-known experts, this state-of-the-art comprehensive overview of basic and clinical science will enhance the understanding of retinal vascular disease and help in the evaluation of current and future treatment approaches for the clinician. The well-structured and highly illustrated text is divided into the following three main sections: Pathogenesis of retinal vascular disease, General concepts in the diagnosis and treatment of retinal vascular disease, and Treatment of retinal vascular disease. Readers-friendly through: Step-by-step explanation of all treatment procedures. Richly illustrated by clinical image-series including illustrated single case follow-ups. This unique textbook-atlas also includes topics which are not currently found in other retinal disease textbooks, such as case reports and clinical follow-ups.

Features
- Step-by-step explanation of all treatment procedures
- Edited and written by internationally well-known experts of the field (Steve Ryan is the most famous expert in the field of the retina)
- The whole content is highly visualized through color illustrations and art work

Contents
- From the contents Section I: General Concepts in the pathogenesis of retinal vascular disease: Anatomy of the retinal vasculature
- Section II: General concepts in the diagnosis and treatment of retinal vascular disease
- Section III: Pathology, clinical course and treatment of retinal vascular diseases
- Section IV: Clinical decision making and differential diagnosis

Fields of interest
- Ophthalmology: Biochemistry, general

Target groups
- General ophthalmologists, retina specialists, and ophthalmologists in training

Type of publication
- Monograph

Due September 2007

H. Kalter, University of Cincinnati College of Medicine, OH, USA.

Mortality and Maldevelopment

Part I: congenital cardiovascular malformations

Congenital malformations are worldwide occurrences, they know no national borders, do not distinguish between races, ethnicities, rich or poor. These severe physical abnormalities, present at birth, happen more often than is usually realized, once in every 33 births. They strike every part of the body, limbs, head, heart, and all others. The most frequent of them all are the many types of malformations of the cardiovascular system, the heart and its blood vessels, which happen in about once in every 250 births. Study of these conditions during the twentieth century took many forms, revolving about examination and analysis of their causes, genetic, nongenetic, and complex. To aid in unraveling the complexities of this causation, various influences on their frequency are considered, among them social conditions, maternal health, birthweight, newborn maturity. And of course the known and possible environmental bases of their occurrence are fully described. The relation of infant death to...

Fields of interest
- Obstetrics/Perinatology: Cardiology; Human Genetics; Developmental Biology; History of Science

Target groups
- Researchers and professionals

Type of publication
- Monograph

Due May 2007

2007, X, 222 p. Hardcover
99,95 €

Features
- Includes 102 cases unknown and 217 supplemental cases
- The cases are heavily illustrated
- Includes nearly 600 high-resolution MRI images
- The 102 cases unknown and 217 supplemental cases throughout depict scenarios commonly encountered in daily practice, with special emphasis on the rapidly growing area of sports injuries and traumatic disorders in older children and adolescents.

Contents
- 102 cases unknown and 217 supplemental cases
- In pediatric and adolescent musculoskeletal MRI

Fields of interest
- Diagnostic Radiology; Imaging / Radiology; Neuroradiology; Pediatrics; Orthopedics; Sports Medicine

Target groups
- General radiologists, pediatric radiologists, neuroradiologists, residents and fellows in Radiology, Sports Medicine Physicians, Orthopedic Surgeons, and Pediatricians

Type of publication
- Reference work

Due May 2007

2007, XI, 733 p. Hardcover
109,95 €
Acute Myelogenous Leukemia

Acute Myelogenous Leukemia is a timely compilation of new concepts in the molecular pathogenesis and molecular therapy of acute myelogenous leukemia (AML). The focus is on selected critical molecular determinants of AML pathogenesis and pathophysiology and the exploitation of these factors by diverse therapeutic agents and modalities. Bringing together new concepts and findings in the basic and clinical science of AML, the book emphasizes the molecular basis for new therapies that stand to have the greatest potential impact on the clinical face of these diseases. The text provides insights into selected novel strategies currently and prospectively being developed, including interruption of specific signal transduction pathways, modulation of gene expression, attempts to reinduce differentiation, and immunomodulation. There is an emphasis throughout on the bidirectional flow of knowledge between the clinical and laboratory arenas, and both basic and clinical scientists will benefit from this [...]

Features
Novel therapeutic concepts based on AML cell biology Critical factors in leukemia cell survival and drug resistance, and their potential exploitation as therapeutic targets

Contents
From the contents I. Overview of AML.- II. Molecular Foundations of AML Pathogenesis and Pathophysiology.- Transcriptional Control of Myeloid Differentiation and Transformation.- Myelodyplasia-Related AML.- Treatment-Related AML.- Drug Resistance Transporters.- III. Translating Biology into Clinical Application.- APL.- Classic Tale of Bench to Bedside.- Molecular Therapeutics of AML: Select- ed Targeted Approaches Overview.- FLT3.- Farnesyltransferase.- Modulating Gene Expression as a Therapeutic Approach.- Growth Factor-Based Differentiation.- Stem Cell Transplantation.- Vaccine [...]
Cardiac Drug Therapy

Cardiac Drug Therapy, 7th ed., addresses the pharmacology and therapeutic application of drugs used to treat heart diseases and hypertension. Additions and updates to the sixth edition include six new chapters on current controversies in cardiac drug therapy such as the beta blocker issue many cardiologists are presently grappling with. The book provides practical advice on how to manage cardiac diseases and addresses the choice of one particular cardiac agent vs. another. In addition to providing core knowledge in cardiovascular therapeutics, the text assists in resolving some of the issues surrounding cardiac drugs. Cardiac Drug Therapy provides practical information including properties, dosage, side effects, potential salutary benefits, and drawbacks on virtually all commercially available cardiac drugs. The text is succinct and straightforward, and highlighted throughout with bullet points that enable rapid-retrieval of clinically relevant information.

Features
Updates and revises the sixth edition Includes six new chapters that deal with ongoing controversies regarding the use of several widely used drugs Discusses the beta-blocker and ACE inhibitor controversies Provides quick reference to drug therapies available for every type of cardiovascular disease Includes expanded drug administration and dosage tables, new material on results of clinical trials Features the [...]  

Contents

Fields of interest
Cardiology; Internal Medicine; General Practice / Family Medicine; Pharmacology/Toxicology

Target groups
Graduate students, interns and trainees in internal medicine and cardiology, internists, cardiologists, primary care clinicians

Type of publication
Monograph

Due June 2007
Indian Medicinal Plants
An Illustrated Dictionary

In an easy to use dictionary style of A-Z presentation, this volume lists the taxonomy and medicinal usage of Indian plants. Also given are both traditional Indian and international synonyms along with details of the habitats of the plants. Indian Medicinal Plants. An Illustrated Dictionary is aimed at bringing out an updated Acute Study Dictionary of plant sources of Indian medicine. The text is based on authentic treatises which are the outcome of scientific screening and critical evaluation by eminent scholars. Readers, if they so desire, can always refer back to a particular research paper cited in the original source. The text is illustrated by over 550 full-color figures.

Contents
A-Z presentation of Indian medicinal plants including taxonomy, traditional and international synonyms, plant parts, applications and pharmacokinetic action.

Fields of interest
Complementary & Alternative Medicine; Pharmacy; Plant Sciences

Type of publication
Monograph

Due June 2007

Interactive Atlas of the Human Brain

Features
Fully interactive: student has control of labeling, and has an easy, mouse driven interface with which to dynamically pan through the images. Four atlases in one: three MRI atlases complement a cadaver based atlas. Each atlas has complete representation in all three anatomic planes; axial, coronal and sagittal. Comprehensive: over 170 structures identified on the cadaver atlas. Detailed: 1100 axial, 1528 coronal, […]

Fields of interest
Neurology; Neurosciences; Animal Anatomy / Morphology / Histology

Type of publication
Reference work

Due June 2007

2007. CD-ROM. Jewel case

74.95 €

Interactive Atlas of the Human Brain

The Interactive Atlas of the Human Brain provides a highly sophisticated and dynamic view of the human brain on CD-ROM that will be utilized for an advanced understanding of neuroanatomy. The interactive and triplanar features of the CD enables the user to grasp the three dimensional relationships between brain structures. Its 4,381 images will enable medical students to learn anatomy as well as expand the knowledge of neuroanatomy for neurologists, neurosurgeons and radiology residents. This CD-ROM will also serve as a valuable aid to neuroanatomy instructors as it will make it much easier for them to illustrate lectures and laboratory presentations dynamically in lieu of static images in PowerPoint presentations. This CD will change the way students learn neuroanatomy. No longer bound by the confines of a printed picture or the dry descriptions of a textbook, students will glide through the internal structures of the brain as easily as they drive along a mountain road, making this a revolutionary […]

Features
Fully interactive: student has control of labeling, and has an easy, mouse driven interface with which to dynamically pan through the images. Four atlases in one: three MRI atlases complement a cadaver based atlas. Each atlas has complete representation in all three anatomic planes; axial, coronal and sagittal. Comprehensive: over 170 structures identified on the cadaver atlas. Detailed: 1100 axial, 1528 coronal, […]

Fields of interest
Neurology

Target groups
Medical students, neurologists, neurosurgeons and radiology residents

Type of publication
Contributed volume

Due August 2007

2007. CD-ROM. Jewel case

269.00 €
ISBN 978-1-58829-960-4
Criminal Profiling
International Theory, Research, and Practice

In Criminal Profiling, renowned profiler Richard Kocsis, PhD, presents a distinct approach to profiling, Crime Action Profiling or CAP. The volume explains the scope and methodology employed in the studies that the author has undertaken over the past decade and a half. CAP adopts the view that profiling essentially represents a psychological technique that has its foundations in the disciplinary knowledge of forensic psychology. The studies canvassed throughout this book represent the author's original, empirically based work on the topic of criminal profiling. This volume brings the results of his work together for the first time to provide a comprehensive compendium of the research endeavors that characterize the CAP approach to the profiling of violent crimes. Written clearly and succinctly, Criminal Profiling will be accessible to the intelligent lay person as well as personnel engaged in the legal, law enforcement and criminal justice fields. This volume is certain to become an essential [...] 

Features
Combines vast empirical research with the author's personal experiences Draws together for the first time the characteristics of the CAP approach to profiling violent crimes Describes for the experienced and lay person how to use the various CAP models to profile a particular crime without necessarily needing to comprehend how each model was originally built

Contents

Fields of interest
Forensic Medicine

Target groups
Forensic scientists, consultant forensic psychologists, students

Type of publication
Contributed volume
Due July 2007

Functional Analytic Psychotherapy
Creating Intense and Curative Therapeutic Relationships

As cognitive behavior therapy becomes increasingly integrated, Functional Analytic Psychotherapy (FAP) remains a rich therapeutic method. FAP synthesizes aspects of psychodynamic and object relations therapy with traditional CBT methods, and author/practitioner Robert Kohlenberg and Mavis Tsai originally created this book to be more than a simple how-to manual. Rather it is a powerful framework for clinicians seeking to rethink their approach to the therapeutic relationship. Now in paperback, this classic work is more relevant than ever. The book begins with the theory behind the therapy (including its roots in B. F. Skinner’s behavior-analytic work in the 1970s), explaining why clients’ unique needs may extend beyond well-mapped routes to change. From there, the authors present the clinical principles of FAP and their uses in treating diffuse, resistant problems. Case illustrations model the therapeutic dyad, show FAP techniques in action, and offer crucial caveats. The ground rules: how, and [...] 

Features
Provides conceptual framework not isolated techniques Offers a psychotherapeutically useful version of radical behavioralism Contains ethical guidelines Covers borderline, narcissistic and multiple personality disorders

Contents

Fields of interest
Clinical Psychology; Psychiatry; Behavioral Therapy; Psychotherapy

Target groups
Clinical psychologists, graduate level students

Type of publication
Contributed volume
Due July 2007

2007. XIV, 217 p. Softcover
32.95 €

Management of Acute Pulmonary Embolism

Management of Acute Pulmonary Embolism highlights traditional, novel, and evolving aspects of the diagnosis and treatment of pulmonary embolism (PE). The contributors comprise an international team of experts, who have each made noteworthy contributions in this exciting field. Important aspects of diagnosis, risk stratification, and differential treatment of patients with PE are presented in a concise, yet comprehensive manner. Emphasis is placed on specific issues related to PE, including pregnancy, cancer, thrombophilia, and air travel. The authors critically review and interpret available data, and provide clear recommendations for diagnosis and therapeutic concerns in clinical management of PE patients. Management of Acute Pulmonary Embolism is organized in three precise sections - diagnosis, treatment, and special topics. Each section is up-to-date and detailed, and provides clear recommendations for diagnostic and therapeutic approaches to patients with PE in clinical practice. This practical [...] 

Features
Validated, evidence-based diagnostic algorithms Modern therapeutic guidelines based on disease severity and relevant baseline parameters Written by world-renowned clinicians, researchers, and academic leaders

Contents

Fields of interest
Cardiology; Internal Medicine; Pneumology/Respiratory System

Target groups
Cardiologists, pulmonologists, vascular surgeons, intensivists

Type of publication
Contributed volume
Due April 2007

2007. XII, 271 p. (Contemporary Cardiology) Hardcover
114.95 €
Forensic Document Examination

Principles and Practice

Forensic Document Examination introduces the reader to the basic principles of handwriting and the factors that affect their development. The book discusses the basic concept of the characteristics of writing that are compared when making an identification or elimination of a writer. In addition, readers will be able to recognize the signs of forgery and disguise and to distinguish between simulation and disguise.

Features
Evolution of the written word and history of document examination Principles of handwriting and handwriting identification Detection of forged and counterfeit documents Equipping a document laboratory and preparing reports Identifying check and credit card fraud Examining seals, stamps, paper fasteners, writing instruments

Contents
Evolution of the Written Word - Principles of Handwriting - Factors that Cause Changes in Handwriting - Handprinting and Numerals - History of Document Examination - Forgery - Other Types of Fraud - Equipping a Laboratory - Care and Handling of Documents - Standards of Comparison - Systematic Examination of Handwriting - Master Pattern - Detecting Fraudulent Documents - Weighing the Evidence - Preparing Reports - Alteration of Documents - Disguised Writing - Disguise Versus Simulation - Check and Credit Card Fraud - Paper - Writing Instruments - Seals, Stamps, and Paper - Typewriters [...] - Special Features

Fields of interest
Forensic Medicine; Law, general

Target groups
Forensic scientists, lawyers

Type of publication
Monograph

Due June 2007

Tissue-Specific Estrogen Action

Novel Mechanisms, Novel Ligands, Novel Therapies

The multiple actions of estrogens on different cell types have not only intrigued endocrinology researchers but also inspired the development of selective estrogen receptor modulators, or SERMs, that modulate estrogen signaling in a cell type-specific manner. Current molecular understanding of estrogen action has greatly profited from advances in molecular cell biology to dissect the mechanisms of estrogen-regulated gene expression in target cells, from in vivo analyses using genetic models deficient in estrogen signaling and from synthetic estrogen receptor ligands with isoform- or pathway-selective activity. These advances, and their implications for clinical use, were discussed by leading researchers from industry and academia during an international symposium held in Berlin, 1-3 March 2006.

Fields of interest
Endocrinology; Gynecology; Medical Biochemistry; Molecular Medicine; Pharmacology/Toxicology

Target groups
Scientists in reproductive and clinical endocrinology, molecular biology, pharmacology, gynecology, immunology

Type of publication
Proceedings

Due June 2007


62.95 €

Rhinoologic and Sleep Apnea Surgical Techniques

As technology advances, practicing or training otolaryngologists register in educational courses to refresh their surgical skills and stay abreast of these changes. While information is becoming available in several journals, there is a definite need for a single surgical atlas-like book that contains precise descriptions of the surgical techniques used in rhinology and sleep apnea surgery. Each chapter was written by surgeons with extensive experience in each topic who have already published on the specific procedure described. Each chapter contains diagrammatic or illustrative descriptions of surgical techniques and provides tips and pearls of wisdom to avoid complications when the procedures are performed. This comprehensive work of surgical information serves as a valuable resource for otolaryngologists in training to augment their surgical education and for practicing otolaryngologists as a review source to best approach the surgical pathologies they encounter in their practice of rhinology [...] - Special Features

Contents
Rhinologic and Anterior Skull Base Surgical Techniques: CT Anatomy/Radiology - Surgical Anatomy - Surgical Instruments - Injection and Anesthetic Techniques - Septal and Turbinate Surgery - Ethmoidectomy / Middle Meatal antrostomy - Approaches to the Sphenoid Sinus - Endoscopic and Microendoscopic Frontal Sinus Surgery - Endoscopic Modified Lothrop - Surgery for Hyperplastic Rhinosinusitis / Nasal Polyposis - Surgery for Allergic Fungal Rhinosinusitis - Endoscopic Medial Maxillectomy - Surgery for Benign Tumors - Repair of Anterior Skull Base Defects and CSF Leaks - Sinus Trauma - [...] - Special Features

Fields of interest
Otorhinolaryngology; Head and Neck Surgery; Surgery; Neurosurgery; Pathology

Target groups
Otolaryngologists in training, practicing otolaryngologists, surgical pathologists and surgeons involved with rhinologic and sleep apnoe surgical techniques

Type of publication
Monograph

Due May 2007

2007 XVII, 433 p. 488 illus. With DVD. Hardcover

139.95 €
Cardiac Rehabilitation

The purpose of this volume is to provide state-of-the-art information and a manual to providers about the multidisciplinary nature of cardiac rehabilitation in the current era, the current state of cardiac rehabilitation, and the issues presenting to current CR programs.

Features
Contains theoretical and practical, up-to-date cardiac rehabilitation information, including the new Center for Medicare and Medicaid Services (CMS) guidelines for reimbursement. Includes diverse, comprehensive chapters, from nutrition to programmatic issues. Serves as a perfect resource for staff and directors that are new to cardiac rehabilitation or wish to begin a program.

Contents

Fields of interest
Cardiology; Rehabilitation Medicine; Internal Medicine

Target groups
Cardiologists, cardiology fellows, internists, and family physicians

Type of publication
Contributed volume

Due August 2007

69,95 €

Robotic Radiosurgery. Treating Tumors that Move with Respiration

This volume in the Robotic Radiosurgery series is devoted to the theory and practice in the emerging field of stereotactic radiosurgery for extracranial tumors, particularly those that move as patients breathe. Special attention is given to the frameless robotic radiosurgery device known as the CyberKnife. Moving tumors are treated with the CyberKnife using a revolutionary new tool, called the Synchrony® Respiratory Tracking System, which can track moving tumors in real time. Detailed information is provided on the technology and methodology for delivery of high doses of radiation to moving targets, radiobiological and radiological principles, and the challenges faced by clinicians performing extracranial stereotactic radiosurgery. Furthermore, there are thorough reviews of the general clinical literature on stereotactic radiation treatment of tumors of the lungs, liver, and pancreas, and the latest clinical data from clinicians conducting clinical studies using the CyberKnife® Robot Radiosurgery.

Features
Addresses in detail all aspects of the use of robotic radiosurgery to treat tumors of the lung, liver, and pancreas. Includes full consideration of tumor tracking techniques, dosimetry, radiobiology, and fiducial placement strategies. Written by leading experts. Includes many high-quality illustrations.

Contents
Section I: Respiratory Motion and Tumor Tracking.- Section II: Thoraco-Abdominal Physics and Imaging.- Section III: Thoraco-Abdominal Fiducial Placement Strategies.- Section IV: Lung Tumor Treatment Techniques and Experience.- Section V: Liver and Pancreas Treatment Techniques and Experience.- Section VI: Emerging Thoraco-Abdominal Radiosurgery Concepts.- Closing Sections: Abbreviations; Author Index; Subject Index.

Fields of interest
Imaging / Radiology; Radiotherapy; Oncology; Surgery; Biophysics; Pneumology/Respiratory System

Target groups
Radiologists, surgeons, pneumologists, oncologists; for practitioners and students in all areas of oncology and medicine

Type of publication
Contributed volume

Due June 2007

129,95 €
ISBN 978-3-540-69885-2

Treatment of the Obese Patient

The aim of Treatment of the Obese Patient is to inform clinicians of recent advances in obesity research and provide an up-to-date review of current treatment issues and strategies. Divided into two sections, the first section covers new discoveries in the physiological control of body weight, as well as the pathophysiology of obesity. The second section covers a range of issues that are central to the clinical management of obese patient. This volume is a resource that will stimulate and engage clinicians to take part more successfully in the obesity-care process.

Features
Evidence-based, state-of-the-art discussion of physiological control of body weight and the pathophysiology of obesity. Authoritative advice on a full range of issues central to clinical management. Illustrated case studies.

Contents

Fields of interest
Endocrinology; Internal Medicine; Diabetes

Target groups
Molecular biologists, geneticists, biochemists, endocrinologists

Type of publication
Contributed volume

Due June 2007

99,95 €
ISBN 978-1-58829-735-8
**Low-Cost Approaches to Promote Physical and Mental Health**

Theory, Research, and Practice

Most physical and mental health professionals will agree that their time, space, and funds are generally in short supply, even under optimal conditions. Their participants (clients or patients), too, will admit to similar deficits of time and patience, even with optimal motivation. Overburdened mental health facilities are trying to cope with limited budgets and overworked and underpaid personnel. Low-Cost Approaches to Promote Physical and Mental Health addresses both sides of this shortfall by offering either self-administered or easily administered verbal and non-verbal interventions designed to promote positive health behaviors while requiring little or no outside funding. Editor Luciano L’Abate continues his long tradition of prolific innovations by identifying major changes in today’s health care systems and explaining how targeted, prescriptive promotion/prevention strategies can enhance traditional primary, secondary, and tertiary interventions in key behavioral and relational areas.

**Contents**

- Preface
- Theory of promotion/prevention
- Section I: Introduction
- Section II: Primary Interventions: Nutrition
- Section III: Secondary Interventions: Non-Verbal
- Section IV: Practice for Mindful Exercise
- Section V: Relaxation and Meditation
- Section VI: Expressive Movement

**Fields of interest**

- Health Psychology
- Health Promotion and Disease Prevention

**Target groups**

- Psychologists (especially health psychologists), psychiatrists, social workers, nurses, and public health professionals

**Type of publication**

- Professional book

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**Revision of loose femoral prostheses with a stem system based on the "press-fit" principle**

A concept and its system of implants, a method and its results

The author of this multimedia work sets himself an ambitious goal: to allow a surgeon to achieve the revision of a prosthesis without too many difficulties (or too much apprehension!) with guaranteed results if he follows the proposed method step by step, and this, even if he is not very experienced in this discipline. To fulfill this purpose, the author provides a clear definition of the press-fit concept (principles and practical applications) and from there, he offers a logical and rigorous method for, first of all, planning the surgery, and then, performing it. The written text is also available as a computerized slide show, coming with a browsing system in order to make a pre-operative planning, which gives real pedagogic value to the whole of this work.

**Contents**

- Part I: The concept of press-fit: a system of implants.
- Preliminary Remarks
- Choice of a Concept and an implant.
- The concept of press-fit.
- Principles characteristics of an implant with press-fit fixation.
- The PFM revision system.
- Modular Femoral Prostheses for Revision.
- Implants and Ancillary.
- Conclusions of the first part.
- Why make these choices?
- Part II: Pre-operative planning.
- Radiological analysis of the femur.
- Determining a surgical strategy.
- Making a pre-operative template.
- Part III: Surgical technique.
- General considerations.
- Operation: femoral flap.
- Fixation in the [..]

**Fields of interest**

- Orthopedics
- Surgical Orthopedics
- Traumatic Surgery

**Target groups**

- Researchers and professionals

**Type of publication**

- Monograph

**Due March 2007**

- 149,95 €

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**The Family, Medical Decision-Making, and Biotechnology**

Critical Reflections on Asian Moral Perspectives

This volume opens with an exploration of the Confucian recognition of the family as an entity existing in its own right and which is not reducible to its members or their interests. As the essays in this volume show, this recognition of the family supports a notion of family autonomy that contrasts with Western individualistic accounts of proper medical decision making. There are analyses of basic concepts as well as explorations of their implications for actual medical practice. The conflicts in East Asian countries between traditional Confucian and Western bioethics are explored as well as the tension between the new reproductive technologies and traditional understandings of the family. The studies of East Asian reflections concerning the moral status of human embryos and the morality of human embryo stem cell research disclose a set of concerns quite different from those anchored in Christian and Muslim cultural perspectives. The volume closes with an exploration of how Confucian cultural [..]

**Contents**

- Preface
- I. A View from Asia: An Introduction.
- II. The Family and its Impact on Bioethics and Personhood.
- III. Medical Decision-Making and Traditional Conception of the Family.
- IV. Human Embryonic Stem Cell Research: Confucian, Islamic, and Western Perspectives.
- V. Taking the Family Seriously: Confucian Approaches to Health Care Financing.
- VI. A Concluding

**Fields of interest**

- Philosophy of Medicine
- Medicine, general
- Ethics

**Target groups**

- Bioethicists, physicians, researchers, students of Chinese and Asian philosophy, those working in family studies

**Type of publication**

- Contributed volume

**Due June 2007**

- 2007. XII, 228 p. (Asian Studies in Bioethics and the Philosophy of Medicine, Vol. 91) Hardcover
- 79,95 €
- ISBN 978-1-4020-5219-4
<table>
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### Cancer Metastasis and the Lymphovascular System:
**Basis for rational therapy**

Sentinel lymph node (SLN) procedures have opened a window of opportunity for the study of micrometastasis. In eighty percent (80%) of metastasis there lies an orderly pattern of progression via the lymphatic network, while 20% of the time systemic metastasis occurs, bypassing the lymphatic system. During the past two decades, significant progress has been achieved in understanding the anatomical, functional, cellular and molecular aspects of the lymphovascular system and the metastasis process. Molecular imaging advances help to localize early cancers more precisely. Current status of the immune responses in the draining lymph nodes against cancer is summarized. New paradigms of early cancer growth, proliferation, overcoming apoptosis are exploited in the development of anticancer treatment. In this book, basic scientists and clinicians exchange ideas so that laboratory findings can be applied to clinical dilemmas, and clinical problems can be targeted for research in the laboratory.

**Features**
Characterizes the anatomy and physiology of the lymphovascular system Describes the mechanisms of metastasis Outlines the prognostic factors and clinical outcome of metastasis Provides readers with an understanding of immune responses of draining lymph nodes against cancer Explains the rationale of adopting molecular therapeutics against growth factor receptors, apoptotic factors, signaling pathways and angiogenesis

**Contents**

**Fields of interest**
Oncology; Hematology

**Target groups**
Basic clinicians and scientists interested in cancer metastasis and the lymphovascular system

**Type of publication**
Contributed volume

**Due August 2007**

### Severe Injuries to the Limbs
**Staged Treatment**

Modern weapons and high-energy accidents inflict devastating damage to soft tissue and bone. The gold standard for stabilizing high-energy fractures is immediate external fixation followed by thorough debridement of soft tissues and dead bone and irrigation, since these injuries are always grossly contaminated. The next stage of treatment – the coverage of exposed bone by vital soft tissue and definitive skeletal stabilization and reconstruction – can be a complex surgical challenge. The protocol of staged external fixation developed by the authors: primary temporary unilateral tubular stabilization followed by definitive circular Ilizarov (hybrid) fixation, is outlined and comprehensively described in this book. The text provides guidelines for the young surgeon as well as the senior orthopedic trauma surgeon in staged definitive limb functional reconstruction. The rationale and advantages of a logical progression of surgical steps are explained and fully illustrated throughout, drawing from an [...]  

**Features**
Based on the vast experience of the Rambam Medical Center in Haifa, Israel Step-by-step guidelines for a large variety of complex cases Richly illustrated

**Contents**
Introduction: Statistics - Epidemiology - Etiology and pathogenesis - Missile injuries - Explosive - Blast - Crush injuries - Classification according to extent of bone and soft tissue loss. Primary treatment and 'damage control' - Tissue debridement of high-energy injuries - Primary skeletal stabilization (unilateral external fixation frames, hybrid frames, temporary articulating bridging). - Soft-tissue protection by external fixation frames. - Vascular reconstruction. - Soft-tissue coverage (delayed primary suture, skin and local tissue flaps, free tissue flaps). Definitive skeletal [...]  

**Fields of interest**
Surgical Orthopedics; Traumatic Surgery; Plastic Surgery; Vascular Surgery; Rehabilitation

**Target groups**
Orthopaedic surgeons, plastic surgeons, vascular surgeons, military doctors, trauma and rehabilitation teams

**Type of publication**
Monograph

**Due May 2007**

129,95 €
ISBN 978-3-540-69989-0

### Peyronie's Disease
**A Guide to Clinical Management**

Previously considered rare, Peyronie's disease affects nearly 10% of adult men. Recent advances in wound-healing disorders have substantially increased the understanding of Peyronie's disease and its pathophysiology. In Peyronie's Disease: A Guide to Clinical Management, international authorities review the current nonsurgical and surgical therapeutic options for dealing with this fibrotic disorder. A variety of state-of-the-art research techniques is discussed, including tissue analysis, cell culture of fibroblasts derived from Peyronie's plaques, and animal models that attempt to mimic the in vivo process of tunica albuginea fibrosis while also providing an opportunity for manipulation with novel therapeutic techniques. Although there is no cure for Peyronie's disease, this text discusses treatments that may result in physical improvement or help to stabilize the scarring process. For those with a more advanced disease, surgical options to correct the deformity in an effort to make the patients [...]  

**Contents**

**Fields of interest**
Urology/Andrology; Surgery

**Target groups**
Urologists, andrologists, sex therapists, and researchers in the field

**Type of publication**
Contributed volume

**Due August 2007**

2007. XV, 267 p. 108 illus. (Current Clinical Urology) Hardcover
114,95 €

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2007. X, 340 p. 60 illus. (Cancer Treatment and Research, Vol. 135) Hardcover
99,95 €
ISBN 978-0-387-69218-0
General ultrasound in the critically ill

General ultrasound in the critically ill describes a new clinical tool: ultrasound for the intensive care and emergency physician. Written by an intensivist familiar with ultrasound, it specifically details findings of immediate clinical relevance throughout its approx. 220 pages. Through a whole-body approach, this book considers new emergency applications regarding the abdomen, venous system, head, heart, and the most original topic, the lung. Flow charts are proposed to resolve daily intensive care and emergency occurrences: acute dyspnea, shock, unexplained fever, etc. The strong points and pitfalls of ultrasound are reviewed in detail. This book shows just how critical ultrasound has proven to be in satisfying a major concern in the intensive care and emergency medicine fields: speed and accuracy. With this ever-present requirement for rapid diagnosis in mind, General ultrasound in the critically ill provides a key to practicing a visual medicine, a great benefit to the critically ill patient. [...]"
Case Studies in Ethics and HIV Research

There has been a consistent interest in ethical issues arising in the context of HIV research. Ongoing international and multi-site studies and the continuing search for an HIV vaccine continue to prompt examination of how this research is conducted, how participants are engaged in the studies, and the obligations of the researchers to individual participants and their communities during the course of and following the conclusion of the research. Each chapter is authored primarily by one of the editors (secondarily by the other) and is accompanied by one to two case studies. Each case study has been authored by an HIV/AIDS researcher with experience in the subject matter of the chapter. The case studies will focus on an actual ethical dilemma encountered by the researcher, with suggestions on how it can be resolved. Each chapter addresses relevant issues and emphasizes particular ethical principles.

Features
Authorship by an HIV researcher (S. Loue) and a community leader in HIV policy, advocacy, and service provision (E. Pike), which will provide readers with a unique perspective on the conduct of HIV research. Case Studies provided by HIV researchers, which will allow readers to understand better how ethical issues arise in HIV research, how to identify such issues, and the range of possibilities for their resolution.

Contents

Fields of interest
Health Care Administration; Health Promotion and Disease Prevention; Epidemiology

Target groups
HIV researchers, health care and ancillary care providers that assist in HIV research; graduate level course in public health, epidemiology, psychology, anthropology and social work.

Type of publication
Graduate/advanced undergraduate textbook

Due September 2007

Practical Guide to Neck Dissection

This brilliantly illustrated manual is a road map for the surgeon who wishes to perform a dissection exercise on the neck in the anatomic theatre. It guides the reader step by step through the cervical structures, the aim being to improve his/her technical skills in surgical practice in the operating room. This book is divided into sections, beginning with the most superficial structures, and then progressing to the deepest planes. The structures warranting the most surgical-anatomic attention and interest are identified. Regional “visits” are supported by concise, reader-friendly reference to normal human anatomy, physiology, practical indications, and tips on operating techniques. Special attention is given to oncological matters of the neck, as this is the prevalent interest of the author. Visible demonstration of the proposed dissection exercise is available on the accompanying video DVD. This guide offers valuable support to all surgeons for the identification of relevant and significant structures.

Features
Step-by-step guide for the surgical procedure ‘neck dissection’ - treatment of laryngeal cancer Guides the reader wishing to improve his/her technical skills through the cervical structures in a practical step by step exercise Reader-friendly structure with core messages, complications to avoid and take home pearls where practical hints relevant for in vivo surgery are pointed out Richly and brilliantly illustrated

Contents

Fields of interest
Otorhinolaryngology; Head and Neck Surgery; General Surgery; Oncology; Imaging / Radiology; Pathology

Target groups
ENT specialists, head and neck surgeons, general surgeons as well as oncologists, radiologists, radiotherapists, pathologists and medical students

Type of publication
Monograph

Due August 2007

PET/CT in Clinical Practice

PET/CT in Clinical Practice provides guidelines for appropriate use of PET/CT in lung, lymphoma, esophageal, colorectal, head/neck and melanoma, with reference also made to tumors of the male and female reproductive system. Concise, relevant and illustrated with many interesting PET/CT appearances is outlined in chapter 9. The book focuses on FDG-PET/CT throughout, but chapter 10 makes reference to the future application of other positron emitters and gives a begins guide to the physics of PET/CT. Everyone from medical student to consultant oncologist will be touched by this modality and all will need to understand its strengths and weaknesses. The book is essential reading for all consultants and medical students in radiology, nuclear medicine and oncology.

Features
A basic introduction to the subject with minimal explanation of the physics focusing on the images and their interpretation. Illustrated throughout with 150 color figures Easy-to-read chapters containing the salient facts about the common tumor types suitable for PET/CT scanning Familiarizes the reader with the present and future application of other positron emitters and gives a beginners guide to the physics of PET/CT. Everyone from medical student to consultant oncologist will be touched by this modality and all will need to understand its strengths and weaknesses. The book is essential reading for all consultants and medical students in radiology, nuclear medicine and oncology.

Contents

Fields of interest
Imaging / Radiology; Nuclear Medicine; Oncology

Target groups
Consultants and medical students in radiology, nuclear medicine and oncology

Type of publication
Graduate/advanced undergraduate textbook

Due April 2007

34,95 €
ISBN 978-1-84628-430-4

2007. XX, 110 p. 135 illus., mostly in color. With DVD-Video. Hard cover
79,95 €
ISBN 978-3-540-71638-9
The Achilles Tendon

The Achilles Tendon provides a learned practical well-referenced approach to the various manifestations of Achilles tendinopathy, giving illustrated details of management of the conditions depicted. From simple achilles tendinopathy through to acute rupture of the achilles tendon, the authors provide a key reference to all involved in the management of these patients. Delving not only into the anatomy, biomechanics and diagnosis of achilles tendon medicine but also into the management options open to orthopedic surgeons, sports physicians and physiotherapists, no other title has gone into such detail to identify the past, present and future options for the management of achilles tendon injuries.

Features
Complete and thorough review of the anatomy, physiology, diagnosis, management and surgery of the achilles tendon

Contents

Fields of interest
Orthopedics; Surgical Orthopedics; Sports Medicine

Target groups
Orthopedic surgeons, sports medicine physicians, physical therapists

Type of publication
Monograph

Due June 2007

Botulinum Toxin in Aesthetic Medicine

Written by two renowned international experts in the field, this book gives a brilliant overview of the use of botulinum toxin A in aesthetic medicine, including patient selection and evaluation, as well as rules and requirements. It provides hands-on information for the most common indications, such as forehead and glabella, lateral brow lift, crow’s feet and lower eyelid, bunny lines and marionette lines, nose and nasolabial folds, cheeks and “gummy smile,” upper and lower lip, and the chin and neck. Also included are the more advanced indications, such as facial asymmetries, BTX-A lifting and microinjection techniques. Combination therapy and complications are also covered and a section with tips and tricks makes this book an invaluable resource for the practicing dermatologist, plastic surgeons and all other physicians interested in the field of aesthetic medicine.

Features
First book covering the more advanced indications and techniques in aesthetic medicine Hands-on book with step-by-step approach Based on evidence-based medicine guidelines Reader-friendly format: All chapters with homogenous structure and uniform format with “Tips and Tricks” section Introduction, Anatomy, Technique, Patient selection and evaluation, Complications, Tips and Tricks Written by internationally [...] 

Contents

Fields of interest
Dermatology; Plastic Surgery; Otorhinolaryngology; General Surgery; Ophthalmology

Target groups
Dermatologists and plastic surgeons in clinic and practice as well as all other physicians interested in aesthetic medicine, otorhinolaryngologists, GPs, ophthalmologists, surgeons

Type of publication
Monograph

Due May 2007

Internal fixation of femoral neck fractures

An Atlas

Femoral neck fractures occur primarily in the elderly population, and nowadays arthroplasty is chosen most frequently as a treatment solution. In the era of financial restrictions in health care system non-invasive internal fixation is an attractive choice, because in addition to the lower immediate costs the rehabilitation period might also be shorter. In this illustrated atlas the authors deal with epidemiological aspects, anatomical and biomechanical specialties of the given region, diagnostic and management potentials, satisfactory both for orthopaedic and trauma specialists. By means of presenting minimally invasive technique step-by-step, and their own results, the aim is to persuade the reader that the ratio of complications remarkably can be diminished by urgent surgery, based on selective indication criteria. Aspects of postoperative treatment and rehabilitation are also clarified in details. The research team under the guidance of Professor Manninger collected experiences of 50 years.

Features
Comprehensive monograph of the femoral neck fractures Description in detail of non-invasive internal fixation More than 800 representative figures, x-rays and drawings

Contents

Fields of interest
Traumatic Surgery; Surgical Orthopedics; Surgery; Minimally Invasive Surgery; General Surgery; Rehabilitation

Target groups
Traumatic surgeons, orthopedic surgeons, surgeons, general surgeons, rehabilitation therapists

Type of publication
Atlas

Due May 2007
Metastasis of Breast Cancer

Metastasis (spread of cancer in the body) is the main cause of death for patients with breast cancer, the leading female tumour in the industrialised countries and developing countries alike. The biology and treatment of breast cancer metastasis remains an active area of scientific and clinical investigation. Written by experts in the subject area, the book has covered a broad range of topics in the metastasis of breast cancer, from genetics, biology to clinical management. Main topics include genetic control, biology, growth factors, cell adhesion, cell motility and invasion, nature of bone metastasis, sentinel node therapies, hormonal links, new biomarkers and detection of micrometastasis, and diagnosis. The book also covers the current treatment options including surgical management, chemotherapy and hormone therapies. This timely book provides the current knowledge in the area of breast cancer metastasis and will be of important reading material for oncologists, radiologists, cancer [-].

Features


Fields of interest

Cancer Research; Oncology; Surgical Oncology; Molecular Medicine

Target groups

Cancer Biologists, Biologists, Surgeons, Oncologists, Geneticists, Pathologists, Pharmaceutical and Diagnostic companies in the cancer field, University and cancer centre libraries

Type of publication

Contributed volume

Due June 2007


114,95 €

ISBN 978-1-4020-5866-0

Arrhythmogenic right ventricular cardiomyopathy/dysplasia

Recent Advances

This book covers all aspects (biological, pathological, genetics, clinical and therapeutic) of arrhythmogenic right ventricular cardiomyopathy/dysplasia, a recent cardiomyopathy which represents a very high risk of sudden death in the young and in the athletes. The monograph is gathering the results of a research program promoted by European Commission and NIH, focused on early identification of affected patients and for sudden death prevention. A panel of top scientists, both European and Americans, contribute to the monograph, which will be an essential reference for professionals and residents in cardiology, radiology, human genetics, and sport medicine.

Features

Covers all aspects of arrhythmogenic right ventricular cardiomyopathy/dysplasia. Gathers the results of a research program promoted by European Commission and NIH, focused on early identification of affected patients and for sudden death prevention. In the young and the athletes. Essential reference for professionals and residents in cardiology, radiology, human genetics, and sport medicine.

Contents

Introduction. - Advances in genetics: dominant forms. - Advances in genetics: recessive forms. - Genetically modified animal models. - ARVC/D in spontaneous animal models. - Endomyocardial biopsy and autopsy features. - Cell adhesion pathology. - Ultrastructural features. - Possible or contributing role of viruses. - Diagnosis of ARVC/D. - Task Force Criteria including modifications for family members. - Strengths and weaknesses of the Task Force Criteria: proposed modifications. - ARVC/D versus right ventricular outflow tract tachycardia. - ECG and signal average. -

Fields of interest

Cardiology; Human Genetics; Molecular Medicine; Pathology

Target groups

Scientists, graduate students, specialists in cardiology and sport medicine

Type of publication

Monograph

Due May 2007


129,95 €

ISBN 978-88-470-0489-4

Thyroid Cancer in Clinical Practice

The book covers all aspects of thyroid cancer, including nodules, pathology, thyroid and whole-body scans, ultrasounds, and other nuclear medicine and radiological studies, as well as follow-up testing and prognosis. It tackles the treatment of differentiated thyroid cancer (the commonest variety) and all aspects of the management including surgery, the role and logistics of radioactive iodine and long-term prescription of thyroid hormone. Also included are images and up-to-date procedures such as fused Positron Emission Tomography/Computed Tomography (PET/CT) images. A pocket-sized easily accessible source of information to supplement existing large texts, this book provides a handy reference for everyday use for physicians, including primary care doctors, practitioners and trainees in endocrinology, nuclear medicine, oncology, surgery, otolaryngology, radiology and medical oncology, and internal medicine. It will also be a resource for residents, medical students, nurse practitioners, and patients.

Features

Clinically relevant, readable with easy to follow flow diagrams, up-to-date references. Includes images and up-to-date procedures such as fused Positron Emission Tomography/Computed Tomography (PET/CT) images. A pocket-sized easily accessible source of information to supplement existing large texts and provide a handy reference for everyday use.

Contents

Epidemiology and etiology of thyroid nodules and thyroid cancers. - Thyroid anatomy and physiology. - Thyroid nodule. - Thyroid pathology. - Differentiated thyroid cancer. - Differentiated thyroid cancer: rare clinical situations. - Differentiated thyroid cancer in children. - Thyroid Cancer and pregnancy. - Anaplastic carcinoma of the thyroid. - Medullary cancer. - Primary lymphoma of the thyroid. - Metastases to the thyroid.

Fields of interest

Imaging / Radiology; Nuclear Medicine; Oncology; General Surgery; Internal Medicine; General Practice / Family Medicine

Target groups

Physicians, primary care doctors, practitioners and trainees in endocrinology, nuclear medicine, oncology, surgery, otolaryngology, radiology and medical oncology, and internal medicine

Type of publication

Professional book

Due June 2007

2007. X, 164 p. 35 illus., 15 in color. Softcover

39,95 €

ISBN 978-1-84628-544-8
Global Perspectives on Health Promotion Effectiveness

As health improvement initiatives take center stage worldwide, public health professionals face an ongoing challenge to prove that the programs are worthwhile and that interventions make an impact. The Global Programme on Health Promotion Effectiveness (GPHPE) of the International Union for Health Promotion and Education takes on this challenge in Global Perspectives on Health Promotion Effectiveness. Fifty-five contributors representing six continents come together to analyze major programs around the world and evaluate their effectiveness. The result is a symposium in a book, the first in a series, representing the best critical thinking on crucial issues such as these: Assessment of evidence and evaluation of effectiveness in an international context. Synthesis of progress on the various GPHPE regional projects, with candid evaluations of strengths and limitations, and factors unique to each region. Advocacy to strengthen the evidence base for mental health promotion, physical activity [...] features. Global scope; contributors drawn from all over the world associated with the IUHPE organization.

Contents
From the contents Preface. - Foreword. - Section I: The Global Programme on Health Promotion Effectiveness. - Section II: Reports from the field. - Section III: Recent fields of practice that challenge effectiveness assessment of health promotion. - Section IV: Global debates about effectiveness of health promotion. - Annex: Global Programme on Health Promotion Effectiveness: description and list of partners. - Index.

Fields of interest
Health Promotion and Disease Prevention

Target groups
Public health practitioners implementing health promotion campaigns, researchers and graduate students in public health, health promotion

Type of publication
Handbook

Due June 2007

2007. XX, 425 p. Hardcover
54,95 €
ISBN 978-0-387-70973-4

Radiology

A concise and comprehensive review of findings and differential diagnoses found on the oral board examination for diagnostic radiology. Drawing on pertinent and key differential diagnoses, the authors have assembled and organized the diagnoses most likely to appear on the exam and illustrated them with essential images to reinforce the findings associated with each differential. Additionally, with each finding set is provided a mnemonic to augment recall of any missing components of the differential that would be considered important. Because of their concise presentation, many cases can be examined, interpreted, completed, and memorized very rapidly in a single sitting. Since the majority of cases contain prototypical representations of pathology, the book also serves as an excellent reference source for many years after the reader has taken and passed the oral board examination.

Features
On CD-ROM, convenient for PDA use

Contents

Fields of interest
Imaging / Radiology

Target groups
Radiology residents

Type of publication
Contributed volume

Due September 2007

69,95 €
ISBN 978-1-58829-928-4

Intervening in the Brain

Changing Psyche and Society

The preceding decade has witnessed tremendous progress in clinical as well as theoretical neuroscience. In its wake, powerful new instruments of neuromodulation acting directly on the brain have been developed. However, few areas of scientific development seem to exhibit as close a connection between dreams of progress and nightmares of disaster as contemporary neuroscience. "Mind doping" is a populist slogan at hand, suggesting a deprecatory parallel to the practice of doping in sports. The present book subjects the whole range of questions associated with these problems to a thorough exploration. Extensive state-of-the-art accounts of the relevant clinical and theoretical neurosciences are followed by an in-depth philosophical analysis of the problems of personal identity and a comprehensive discussion on legal and ethical questions posed by present and foreseeable future practices of neuromodulation. A concluding chapter presents the study's main results as recommendations, addressing [...] features. Global scope; contributors drawn from all over the world associated with the IUHPE organization.

Contents

Fields of interest
Neurology; Philosophy; Biomedical Engineering; Social Sciences

Target groups
Physicians, scientists, researchers

Type of publication
Monograph

Due April 2007

2007. XXII, 531 p. 11 illus. Ethics of Science and Technology Assessment, Vol. 29
Hardcover
74,95 €
ISBN 978-3-540-46476-1
AIDS-Associated Viral Oncogenesis

AIDS is a major worldwide health care crisis. One of the most important aspects of the disease is the loss of protective immune function in the infected host which leads to increased prevalence of opportunistic infections and cancers. Of particular note are viral-associated cancers. AIDS-Associated Viral Oncogenesis will specifically address viral-induced human cancers. Topics will cover the viral associated cancers observed in the AIDS population, specific treatment required in this special population, and molecular biology of the causative viral agents.

Features
Specifically addresses viral-induced human cancers associated with AIDS and observed in the AIDS population Addresses the specific treatment required in this special population and the molecular biology of the causative viral agents.

Contents

Fields of interest
Oncology; Immunology; Virology

Target groups
HIV and infectious disease researchers, oncologists, biologists, life scientists, pharmacists

Type of publication
Contributed volume

Due May 2007

International Atlas of AIDS

In a time when AIDS is becoming more prevalent and wide-spread, the formerly-named Atlas of AIDS has now become the International Atlas of AIDS, in order to reflect current conditions throughout the world. This Atlas will cover a multitude of new aspects of the disease, including new therapies, syndromes, and management strategies. An extensive collection of images makes up an Atlas that will prove indispensable to various members of the medical field. The diagnosis and treatment of patients with HIV infection is often times unique and atypical requiring healthcare professionals to have access to not only the most current, but also the most comprehensive information. With this new edition of the Atlas of AIDS, the readers receive has a vivid and visually striking reference, enabling them to effectively meet the clinical challenges of this rapidly advancing field. Under the expert direction of Dr. Donna Mildvan, leading experts in the field have carefully reviewed and selected over 600 images. [

Features
Hundreds of high quality images in step with the latest developments in medicine-World-renowned authors from a variety of medical disciplines Hand-drawn illustrations In-depth explanation for each image-Contributions from international authors

Contents

Fields of interest
Infectious Diseases; Medicine, general

Target groups
Cardiologists, epidemiologists, infectious disease specialists, immunologists

Type of publication
Atlas

Due August 2007

Physical Therapy of Cerebral Palsy

This book is a derivative of Dr. Miller’s well-regarded Cerebral Palsy and focuses on rehabilitation techniques. The book discusses the theory and techniques used by physical and occupational therapists, and also provides suggestions for implementing an Individual Education Plan. Tables and algorithms are included to help in the decision-making process for determining what treatment would be most beneficial. Chapters in section one deal with fundamental aspects of cerebral palsy management, from understanding motor impairment, to evaluating equipment use, to navigating the relationship with the families of patients. In section two, physical therapists cover specific rehabilitation techniques, including neurodevelopment therapy, hippotherapy, and assistive devices. On the accompanying CD there are more than 100 case studies, as well as videos of children with gait disorders.

Features
Includes algorithms and tables to help in the decision making-Editor is an expert in the field-CD contains more than 100 case studies-Includes chapters on rehabilitation techniques

Contents

Fields of interest
Physiotherapy; Rehabilitation; Rehabilitation Medicine

Target groups
Physical therapists, Rehabilitation Medicine physicians

Type of publication
Contributed volume

Due March 2007
Aging and Chronic Disorders

“Aging and Chronic Disease” provides new perspectives on how aging is affected by chronic disease. The book focuses on how chronic disorders, such as diabetes, arthritis, cardiovascular disease, and cancer influence stress, coping, and quality of life among older adults. The book emphasizes how management of risk factors for chronic diseases, new treatment and rehabilitation outcomes, social support, and patient education can reduce health care costs and improve coping strategies, quality of life, and longevity of older adults. Covering a wide range of topics from health care disparities, costs, new trends in disease risk factors, cognitive changes in older adults, and disability outcomes, this book will be relevant to a wide range of professionals and students in the fields of gerontology, public health, mental health, social work, health administration, and social sciences.

Features

Companion work to Chronic Diseases, Disability and the Quality of Life, which focuses on research on chronic diseases in the general population. In addition, Dr. Morewitz has published five books with Springer, including Domestic Violence and Maternal and Child Health, and Stalking and Violence.

Contents

Chronic Disorders in an Aging Population: Epidemiology. - Elders and Health Care Utilization and Costs. - Chronic Disease and Quality of Life in Older Adults. - Psychological Problems in the Elderly. - Cognitive Changes in Older Adults. - Seniors with Diabetes Mellitus. - Rheumatoid Arthritis, Osteoporosis, Fibromyalgia, and Low Back Pain in Older Adults. - Cardiovascular Disease in the Elderly. - Seniors with Cancer. - List of Abbreviations and Acronyms. - References. - About the Author. - Author Index. - Subject Index.

Fields of interest

Health Promotion and Disease Prevention; Epidemiology

Target groups

Epidemiologists, public health professionals, gerontologists, upper-level graduate students in epidemiology

Type of publication

Contributed volume

Due June 2007

Deadly Dermatologic Diseases

Clinicopathologic Atlas and Text

The central theme of Deadly Dermatologic Diseases book entails disorders capable of directly or indirectly causing death of the patient. The book will be organized around four sections dealing with dermatologic diseases involving serious cutaneous malignancies including melanoma, life-threatening and/or emerging infectious pathogens including anthrax and smallpox; endocrinologic disorders such as myxedema or calciphylaxis; autoimmune disorders and inborn errors of metabolism such as scleroderma and hemochromatosis. The sections are organized alphabetically and color-coded for easy reference. Approximately 40 disease states are discussed with accompanying full color clinical and microscopic photography. Each entity contains a single clinical photograph accompanied by three photomicrographs detailing the diagnostic features of each case. Subsections detailing the demographic attributes, etiology, pathogenesis, clinical presentation, pathologic features, diagnostic adjuncts, treatment, and prognosis [...]?

Features

The pedagogical value of Deadly Dermatologic Diseases is the unique presentation of a variety of dermatologic entities capable of directly leading to or are associated with serious medical consequences, including death.

Contents


Fields of interest

Dermatology; Pathology; Infectious Diseases

Target groups

Dermatologists, public health professionals, gerontologists, upper-level students in epidemiology

Type of publication

Monograph

Due April 2007

Modern Hematology

Biology and Clinical Management

Reinhold Munker and his distinguished colleagues have updated and expanded Modern Hematology: Biology and Clinical Management, now in its second edition, to reflect the major advances in the understanding, diagnosis, and treatment of blood disorders. Modern Hematology: Biology and Clinical Management, Second Edition describes the latest clinical and scientific developments, including molecular studies used to diagnose a variety of hematological disorders and guide their treatment. Targeted and molecular therapies are discussed in detail, including kinase inhibitors in myeloproliferative disorders and humanized monoclonal antibodies. The use of peripheral blood and umbilical cord blood stem cells for transplantation is described, as well as the rationale and indications for non-myeloablative transplantation, emphasizing the preferability of immunotherapy over cytotoxic chemotherapy. Modern Hematology: Biology and Clinical Management, Second Edition brings together facts, concepts, and protocols [...]?
Salivary Gland Disorders

Management of salivary disorders encompasses a broad array of diseases, both benign and malignant. To better demonstrate the evolution of this field and its diagnostic and therapeutic management, the contents of this book have been organized to reflect the diverse nature of salivary gland anatomy, physiology, and dysfunction in various states of disease. This text first addresses practical office-based diagnostic approaches. It continues with congenital and acquired salivary dysfunction, including the goals for restoration of gland function. The third portion of this book provides detailed information on assessment and therapy for benign and malignant tumors of the major and minor salivary glands. Each chapter is authored by internationally known authorities in this field. Illustrative photographs and sketches are included in each chapter, to demonstrate the disorders and surgical techniques described. In summary, this comprehensive book serves as a useful reference and practical manual for [...] 

Features

Edited by the world famous ORL expert Eugene Myers from Pittsburgh Covers the complete management of salivary gland disorders Highiy structured and user-friendly layout With sections on office-based procedures Comprehensive and authoritative topic addressed by international leaders in salivary disorders Artist drawings and photographs of surgical techniques 

Contents


Fields of interest

Otorhinolaryngology; Oral and Maxillofacial Surgery; General Surgery; Plastic Surgery 

Target groups

ENT surgeons, maxillofacial surgeons, head and neck surgeons, general surgeons 

Type of publication

Monograph 

Due August 2007

Sexually Transmitted Diseases

Sexually Transmitted Diseases: A Practical Guide for Primary Care covers the diagnosis and treatment of STDs and other information critical to patient care in the new millennium. This collaboration provides the clinician with the ability to identify and manage Sexually Transmitted Infections (STIs), as well as obtain information about preventing their sequelae. Among the topics covered in this book are human papillomavirus and genital warts, genital herpes, viral hepatitis, HIV infection and AIDS, chlamydial and gonorrheal infections, and upper genital tract infections in women. Other topics of interest include syphilis, trichomoniasis, chancroid, granuloma inguinale, lymphogranuloma venereum, and molluscum contagiosum. Special consideration is given to ectoparasites, patient-physician communication, and STD care, cultural competence and STI care, effectiveness of barrier methods for STI prevention, and the future role of vaccines and microbicides. Written by clinicians, many of whom have been [...] 

Features

Covers the diagnosis and treatment of Sexually Transmitted Diseases (STDs) Written by clinicians, many of whom have been diagnosis, treating, and counseling patients since the days of venereal disease Packed with evidence-based information 

Contents


Fields of interest

Obstetrics/Perinatology; Gynecology 

Type of publication

Reference work 

Due March 2007

Obstetric Medicine

Medical problems in pregnancy are common. They are responsible for much maternal and fetal morbidity and mortality. Recognition of the importance of maternal medicine is now reflected in the content of the MRCOG exam, core training and higher training in both obstetrics and medicine. The book will be invaluable for trainees and consultants ‘to test themselves’ using the different methods, as well as read about medical problems in pregnancy that they may not yet have encountered. 

Features

Approaches obstetric medicine from the point of view of real patients and clinical scenarios as well as model answers to exam questions 

Contents

Multiple Choice Questions. - Extended Matching Questions. - Short answer questions / Data Interpretation. - Essay Questions with Model Answers. - Case studies. 

Fields of interest

Obstetrics/Perinatology; Gynecology 

Type of publication

Monograph 

Due July 2007

Primary Care covers the diagnosis and treatment of Sexually Transmitted Diseases: A Practical Guide for Primary Care 

Due March 2007 

Due December 2007

Due January 2007

Due August 2007
Congenital Diseases and the Environment

In recent years, increasing attention and resources have been brought to bear on the relationship between the environment and congenital diseases. These diseases were previously thought to be mostly due to genetic causes. Even though the importance of genes as factors in causation is accepted, environmental factors seem to be implicated just as strongly. This book explores some further concepts that have arisen from more recent perceptions of environmental effects and their possible interactions with living systems. Amongst the topics discussed are: effects of pre-natal exposure to toxic chemicals-intra-uterine exposure to drugs-effects of endocrine disrupters-environmental risk and sex ratio in newborns-surveillance of environmental impact-research and policy. Discussion and presentation of old and novel ideas is targeted at developing a more holistic and united perception of the interaction between congenital diseases and the environment.

Features
Written by international experts Numerous case studies Contributes to the growing discussion on the impact that the environment has on our health

Contents

Target groups Researchers in Environmental Science and/or Human Ecology, Health Professionals, NGOs, General Public

Type of publication Contributed volume

Due March 2007

Laser-Tissue Interactions
Fundamentals and Applications

"Laser-Tissue Interactions" provides a thorough description of the fundamentals and applications in this field. Basic concepts such as the optical and thermal properties of tissue, the various types of tissue ablation, and optical breakdown and its related effects are treated in detail. Special attention is given to mathematical tools (Monte Carlo simulations, the Kubelka-Munk theory etc.) and approved techniques (photodynamic therapy, laser-induced interstitial thermotherapy etc.). The part on applications reviews clinically relevant methods in modern medicine using the latest references. The last chapter covers today's standards of laser safety, with a careful selection of essential guidelines published by the Laser Institute of America. Numerous research photographs, illustrations, tables and comprehensive summaries make this book a useful guide for graduate students, scientists, and medical practitioners. New end-of-chapter exercises provide readers with the opportunity to check their [...] Features
Presents the state of the art in the emerging field of laser-tissue interaction

Contents
Introduction.- Light and Matter.- Interaction Mechanisms.- Clinical Applications of Laser.- Laser Safety. Fields of interest Biophysics; Surgery; Laser Technology and Physics, Photonics; Quantum Optics, Quantum Electronics, Nonlinear Optics; Applied Optics, Optoelectronics, Optical Devices; Operating Procedures, Materials Treatment

Target groups Advanced graduate students in the field of materials science and laser physics, scientists and practitioners in this field

Type of publication Graduate/advanced undergraduate textbook

Due August 2007

2007. XVI, 305 p. 175 illus. (Biological and Medical Physics, Biomedical Engineering) Softcover

49.95 €
ISBN 978-3-540-72191-8

Crib Death
Sudden Unexplained Death of Infants - The Pathologist's Viewpoint

Crib death (SIDS) is the most frequent cause of death for infants during the first year, striking 1 out of every 700-1,000. Scarce knowledge in the field of SIDS and its pathology has led to a continued and growing concern with finding an explanation, with the goal of being able to either predict or quickly diagnose the infant or term fetus. A systematic study of the autonomic nervous system and cardiac system has been performed on a large number of infants and fetuses who died suddenly and unexpectedly, as well as in age-matched control cases. The neurological and cardiac findings are described here, and the relationship between SIDS and unexplained fetal death is discussed. This book helps pathologists, forensic pathologists, pediatricians, obstetricians, and neonatologists in recognizing all potential morphological substrata and puts forward a well-researched post-mortem study for use in a standardized autopsy protocol for use in all cases of sudden unexpected infant and fetal death.

Features
Based on a large number of cases Valuable help in recognizing pathological structures Provides a standardized autopsy protocol to be applied to all cases

Contents
Introduction and Aims. Sudden Infant Death Syndrome (SIDS).- Sudden Intrauterine Unexplained Death (SIUD).- Cardiac Conduction System (CCS).- Central, peripheral and autonomic nerves systems.- Material and Methods: Clinical and Pathological Information Form.- Post Mortem Regulation on SIDS.- Necropsy Procedures.- Cardiac Sampling and Study of the Conduction System.- Brainstem Sampling and Inherent Techniques.- Study of the Carotid Bifurcation, Ganglia and Paraganglia.- Lung: Evaluation of the Development Stage.- Immunohistochemistry and Other Techniques.- Cases Analyzed.- Statistical [...] Fields of interest Pathology; Forensic Medicine; Pediatrics; Emergency Medicine; Obstetrics/Perinatology

Target groups Pathologists, forensic pathologists, pediatricians, obstetricians, neonatologists

Type of publication Monograph

Due July 2007

2007. XXI, 146 p. 64 illus. Hardcover

59.95 €
ISBN 978-3-540-49370-9

M.H. Niemz, University of Heidelberg, Germany

G. Ottaviani, University of Milan, Italy
Primary Care Sleep Medicine

A Practical Guide

The majority of patients that suffer from sleep disturbance receive their medical care in the primary care setting. Primary Care Sleep Medicine: A Practical Guide is a clinical text, oriented to the practicing primary care clinician. It provides a state-of-the-art, comprehensive overview of the diagnosis and treatment of sleep disorders and is endorsed by the American Academy of Sleep Medicine (AASM). Physicians interested in specializing in sleep disorders will find Primary Care Sleep Medicine: A Practical Guide to be an excellent text for board review. In addition, clinicians at any stage of their career will benefit immensely from the straightforward presentation of sleep disorders and their treatment in this timely and informative text.

Features
The first comprehensive, evidence-based sleep medicine text for primary care clinicians Provides a thorough and comprehensive board review for specialization in sleep medicine Supports primary care clinicians in appropriately using sleep diagnostic testing results in clinical practice

Contents
Sleep disorders in primary care: evidence-based clinical practice.- Epidemiology of Sleep.- Assessment of Insomnia.- Cognitive-Behavioral Therapy Approaches for Insomnia.- Pharmacological Treatment of Insomnia.- Determinants and Measurements of Daytime Sleepiness.- Central Sleep Apnea: Implications for the Failing Heart.- Obstructive Sleep Apnea: Clinical Presentation.- Obstructive Sleep Apnea/Hypopnea Syndrome: Epidemiology and Pathogenesis.- Evidence and Mechanisms Linking Obstructive Sleep Apnea to Cardiovascular Disease.- Treatment of Obstructive Sleep Apnea: Surgical and [...] Fields of interest Primary Care Medicine; General Practice / Family Medicine; Internal Medicine

Target groups Primary care physicians, internists, sleep disorder specialists, and residents, fellows, and medical students interested in the field of sleep medicine

Type of publication Contributed volume

Due May 2007

Pediatric Radiology Review

Pediatric Radiology Review contains a vast array of information on embryology, anatomy, surgery and a lot more. This book also contains a review or radiographs in children, as well as the most common radiological problems with which students, residents and clinicians may be confronted on a daily basis.

Features
The first reference of its kind available Illustrates the most common pediatric x-rays Provides clear, succinct explanations and detailed references Easy-to-read question and answer format for quick diagnosis Interactive study guide on companion CD-ROM for self-testing on a PC or PDA

Contents

Fields of interest Imaging / Radiology; Pediatrics; Intensive / Critical Care Medicine; Emergency Medicine

Target groups Pediatricians, general practitioners, internists, surgeons, radiologists

Type of publication Contributed volume

Due May 2007

2007. XV, 336 p. (Current Clinical Practice) Hardcover

69,95 €

Due July 2007

76,95 €

C.P. Panayiotopoulos, St. Thomas’ Hospital, London, UK

A Clinical Guide to Epileptic Syndromes and their Treatment

A disorder which affects 4 percent of children and 1-2 percent of the general population, epilepsy is one of the most common neurological disorders. The original edition of C.P. Panayiotopoulos’ guide proved to be the only one of its kind, covering many important aspects of diagnosis and treatment. Due to the continued advances being made in the subject, a second edition is now due. The text includes detailed diagnostics, concise descriptions of syndromes, a wealth of practical tips, and is supported by useful tables to enable clear diagnoses. Building on the sell-out success of the first edition this thorough revision reflects the latest report of the ILAE classification group and the significant progress made in the diagnosis, classification and treatment of the epilepsies. This new edition is indispensable reading for all those who care for patients with epileptic seizures.

Features
An authoritative account, a ‘must-have’ guide for all involved in the care patients with epileptic seizures Covers the dramatic increase in our knowledge thanks to advances in clinical and EEG aspects, brain imaging technologies, and genetics An even more comprehensive account of the classification and management of epileptic disorders, 2nd edition incorporates the forthcoming ILAE classifications, and recent [...] Fields of interest Neurology; Pediatrics

Target groups Epileptologists, paediatricians, electrophysiologists, EEG technicians, neurologists, as well as general physicians, medical professionals with an interest in epilepsy

Type of publication Professional book

Due July 2007

2007. 188 p. 184 illus. Softcover

69,95 €

M.D. Pappas, Medical College of Ohio, OH, USA; L.G. Yamamoto, University of Hawaii, Honolulu, HI, USA; D. Anene, Seton Hall University, Edinboro, PA, USA (Eds.)
A.V. Parbhoo, St. Barts and the Royal London Hospitals NHS Trust, London, UK

**What They Didn’t Teach You at Medical School**

During medical training there are certain tasks that are not taught at medical school nor in the common reference books. There are some skills that medical students are expected to learn by ‘osmosis’. These skills are never officially taught or examined in medical school, but in practice, however, a fundamental part of being a safe, good and efficient doctor. This book includes ‘golden rules’ or important points to remember and case examples, both of which are given as displayed extracts. This book will help the junior doctor unlock their potential and improve their performance, cutting the time it takes to achieve certain medical objectives. It is meant to fill in the gaps where the medical school and clinical guides stop. It gives the reader the information needed to organise themselves so that they can hit the ground running. It is not intended as a clinical survival guide, but more a friendly hand to allow the reader to get ahead in medicine and how to keep on track and develop a career path.

**Features**

Essential information for all junior doctors Practical, relevant and current pearls for newly qualified medical practitioners

**Contents**

Introduction. - A Brief History of the National Health Service. - Modern National Health Service Trusts. - Applying for Pre-registration House Officer Posts. - Surviving the Pre-registration House Officer Post. - The Team. - Your Consultant: Keeping Them Happy. - Nurses. - Radiologists and Radiographers. - Therapists and Professionals Allied to Medicine. - Referring and Requesting. - Clinics. - The Operating Theatre. - Laboratory Investigations. - Getting Registered and Applying for Senior House Officer Posts. - Getting on your Senior House Officer Post. - Postgraduate Examinations: Member of the [...] 

**Fields of interest**

Medicine, general. Medical Education

**Target groups**

Medical students and newly qualified doctors, house officers

**Type of publication**

Handbook

**Due July 2007**


34.95 €
ISBN 978-1-84628-461-8

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H.R. Patel, Royal Free Hospital, London, UK; M. Arya, University College London, UK; I.S. Shergill, University College London, UK (Eds.)

**Basic Science Techniques in Clinical Practice**

Medical researchers including doctors, nurses, medical students and allied health professionals are required to undertake a period of research as part of their career pathway. This book covers the main areas, allowing anyone to set up and complete research projects and this information can easily be translated to clinical projects. Written by international authors to provide a flavor from many institutions, the book’s appeal is cross-sectional, both at hospital and primary care levels worldwide. Section A, the most important area in the book, covers the hardest step - setting up research (i.e. initial paperwork and funding projects). Section B is technical, covering modern laboratory techniques for laboratory-based research. Section C tackles data collection and analysis and the presentation of the results (oral and written). The book is directed at all doctors, medical students, and individuals in related specialties, either in research or considering research (e.g. MD, PhD, MSc and Interlaced BSc).

**Features**

An easy-to-follow research guide, previously unavailable Contains diagrams to easily follow stepwise plans Provides cutting edge information in a simplified manner

**Contents**


**Fields of interest**

Health Informatics & Health Administration. Laboratory Medicine. - Nursing Management / Nursing Research

**Target groups**

Doctors, medical students, clinical research associates, nurses and allied health professionals

**Type of publication**

Handbook

**Due September 2007**

2007. XIV, 154 p. 22 illus., 18 in color. Softcover

46.95 €

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V.R. Patel, Ohio State University Medical Center, Columbus, OH, USA (Ed.)

**Robotic Urologic Surgery**

"Robotic Urologic Surgery" is a technical manual for the various robotic approaches to robotic urologic surgical procedures with helpful hints to avoid pit-falls. The book provides instructions on how to develop a successful robotics program and learn the various techniques, and improve outcomes. The chapters are written by leading robotic urologic surgeons around the world. The body of data available is reviewed using comparisons in table format and supported by schematic diagrams and anatomical photographs to illustrate the concept being discussed. An accompanying DVD gives instructional content. This is an essential reading for all urologists as a reference to establish a robotics program, refine their surgical technique and provide information to patients.

**Features**

Gold standard textbook for robotic urologic surgery First book of its kind published in the field of robotic urologic surgery Chapters written by leading robotic urologic surgeons around the world Book accompanied by an instructional DVD

**Contents**


**Fields of interest**

Urology / Andrology. Surgery

**Target groups**

Urology specialists and surgeons

**Type of publication**

Professional book

**Due September 2007**

2007. XVII, 222 p. With DVD. Hardcover

64.95 €
ISBN 978-1-84628-545-5
**The Leydig Cell in Health and Disease**

Nearly ten years after they published the first book devoted entirely to the Leydig cell, Matthew Hardy and Anita Payne have collaborated again to provide a comprehensive study of this fascinating and important cell type. The Leydig Cell in Health and Disease presents all of the developments in our understanding of Leydig cell biology and explores a wide variety of current and potential clinical applications. All aspects of Leydig cell biology, development, regulation, and physiology are explored in thirty-one expertly written chapters. The Leydig Cell in Health and Disease explores topics of great interest to the private sector, including the possible application of steroidogenesis discoveries to androgen synthesis or suppressing Leydig cell function as a key mechanism in the development of a male contraceptive. This in-depth volume is an invaluable resource for information on the science and application of Leydig cell biology and function.

**Features**

- Explores current and future clinical applications of Leydig cell function in key cellular processes
- Examines toxins and other environmental factors that interfere with Leydig cell function
- Presents Leydig cell developments from a rigorous scientific application, with additional emphasis on clinical applications

**Contents**

- From the contents: Historical - A History of Leydig Cell Research
- Cell Biology - Structural and Histological Analysis of Leydig Cell Steroidogenic Function
- Fetal Leydig Cells: Origin, Regulation and Steroidogenesis
- Regulation Of Leydig Cells During Pubertal Development
- The Human Leydig Cell: Functional Morphology and Developmental History
- Dynamics of Leydig Cell Regeneration after EDS: A Model for Postnatal Leydig Cell Development
- Aging and the Decline of Androgen Production
- Steroidogenesis: Regulation of Leydig Cell Cholesterol Metabolism
- The Role of STAR in Leydig...[

**Fields of interest**

- Endocrinology
- Cell Biology
- Human Physiology

**Target groups**

- Endocrinologists, molecular and cell biologists, physicians

**Type of publication**

- Contributed volume

**Due July 2007**

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**Clinical Trials in Osteoporosis**

The second revised and updated edition of "Clinical Trials in Osteoporosis" is a practical handbook on clinical trials in the growing field of osteoporosis. Topics covered include study design, technical issues, data collection, quality assurance, data analysis and presentation. It takes the user through the process step-by-step from start to finish, also providing a background on regulatory guidelines, ethical implications, endpoints, current therapies and the ideal drug to use. "Clinical Trials in Osteoporosis" is intended to serve as a practical manual for clinicians and scientists coming to the subject new and to provide a standard for existing centers to measure themselves against.

**Features**

- A practical manual for clinicians/scientists coming to the subject new - provides a standard for existing centers to measure themselves against
- Specifically written both from the viewpoint of the technologist and the MD investigator

**Contents**

- Introduction.
- I. Study Design and the Pre-trial Phase: Study Design and Endpoints.
- II. Performing the Trial: Organization of the Clinical Trial by the Sponsor.
- III. Local Site Organization.
- IV. Clinical Trial Quality Assurance.
- V. Laboratory and Instrument Quality Control.
- VI. Data Analysis and Presentation: Data Analysis and Presentation: Writing a Paper for Publication.
- VII. Back-ground: Current Therapies for Osteoporosis.
- VIII. The Ideal Drug for the Treatment of Osteoporosis.
- IX. Instrument Measurements in Osteoporosis

**Fields of interest**

- Cardiology
- Radiology
- Internal Medicine
- Imaging / Radiology

**Target groups**

- Cardiologists and radiologists already in practice
- Cardiology fellows, radiology residents in training, cardiologists and radiologists already in practice

**Type of publication**

- Professional book

**Due April 2007**

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**Cardiac CT Angiography Manual**

To date, few, if any, simplified, concise, relatively small and portable books exist to ease the training in the field of cardiac CTA. There are no books written from the point of view of secondary end users who are secondarily trained. Books to date are mainly extensive, large texts that assume a certain basic knowledge. A so-called 'manual' and reference guide explaining this technique from beginning to end in simple prose will thus be of tremendous value.

**Features**

- Covers very pertinent subject
- Rapidly-increasing educational market in this field
- Complex subject conveyed in simplified, portable format

**Contents**

- Section I: Calcium Scoring: Introduction to Calcium Scoring.
- The Essentials of Calcium Scoring.
- Section II: Cardiac CTA: Indications for Cardiac CTA.
- General Overview of Cardiac CTA.
- Basic Concepts in Cardiac CTA.
- Essentials in Creating a DiagnostiCardiac CTA Image.
- A Systematic Approach to Reading and Reporting a Cardiac CTA Scan.
- Specific Applications and Useful Clinical Pearls.

**Fields of interest**

- Cardiology
- Diagnostic Radiology
- Internal Medicine
- Imaging / Radiology

**Target groups**

- Cardiologists
- Radiologists in training
- Cardiologists and radiologists already in practice

**Type of publication**

- Handbook

**Due June 2007**

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2007 XI, 144 p. 75 illus.; 10 in color. Softcover

**39,95 €**


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2007. XIV, 292 p. (Clinical Trials) Softcover

**64,95 €**

Cardiovascular Prevention and Rehabilitation

In the network of cardiologists within the European Society of Cardiology Working Group on Cardiac Rehabilitation and Exercise Physiology there is a strong view that the time indeed is right to publish definitively on the methods involved in cardiovascular prevention and rehabilitation. We are facing a transition from conventional cardiac rehabilitation to a phase of combined preventive and rehabilitative efforts, as witnessed in the recent Joint Task Force Guidelines on Preventive Cardiology. For this revision of our clinical routines we lack a practical text-book, based upon the conditions and resources of European health care. This textbook is designed to fill that gap.

Features
First textbook to take a seamless approach to cardiac prevention and rehabilitation Concentrates on international perspective while providing practical structure for the management of patients

Contents

Fields of interest
Cardiology; Cardiac Surgery; Intensive / Critical Care Medicine; Rehabilitation; General Practice / Family Medicine

Target groups
Cardiologists, physiotherapists and exercise physiologists, nurses, dieticians, occupational medicine, psychologists, students, patient organisations, caregivers etc.

Type of publication
Reference work

Due March 2007

Cardiovascular Prevention and Rehabilitation

In the network of cardiologists within the European Society of Cardiology Working Group on Cardiac Rehabilitation and Exercise Physiology there is a strong view that the time indeed is right to publish definitively on the methods involved in cardiovascular prevention and rehabilitation. We are facing a transition from conventional cardiac rehabilitation to a phase of combined preventive and rehabilitative efforts, as witnessed in the recent Joint Task Force Guidelines on Preventive Cardiology. For this revision of our clinical routines we lack a practical text-book, based upon the conditions and resources of European health care. This textbook is designed to fill that gap.

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Type of publication
Reference work

Due September 2007
Breast Cancer Management and Molecular Medicine

Molecular-based medicine is taking center stage due to the increasing knowledge of breast cancer molecular biology. Treatment tailoring is no longer a dream for the future, but the main goal of current research. This book provides an overview of the most recent techniques, agents and approaches for breast cancer that contribute to the individualization of treatment. Current biomedical research focuses on facilitating the transfer of molecular biology knowledge into the clinical management of patients, leading to increased survival as well as improved quality of life. Particular attention is given in this book to organ-specific tailored approaches, specific populations, patients’ preferences and rehabilitation. Also discussed in depth are the respective roles of pharmacotherapies modelling, functional imaging, molecular staging, genomics and proteomics and their impact on the ‘re-classification’ of breast cancer, as well as the clinical applications of basic science. The crucial issue of how to […]

Features

Practical Guide to the management of breast cancer Individualization of treatment based on molecular differences in cancers Comprehensive in-depth information on diagnosis, therapy and the entire clinical management of breast cancer Outlook of prognosis and prevention Multi-national editors and contributing authors with an international reputation

Contents

Overview - Staging and Imaging - Genetic and High Risk Syndromes - DCIS - Stage I/II Breast Cancer Surgery - Stage I/II Breast Cancer Radiotherapy - Stage I/II Breast Cancer Systemic therapy - Locally advanced breast cancer - Organ specific tailored approaches - Genomics and Proteomics - Biological therapies - Basic science-clinical applications - Special Problems

Fields of interest

Oncology; Gynecology; Radiotherapy; Surgery

Target groups

Oncologists, surgical oncologists, radiation oncologists, gynecologists

Type of publication

Professional book

Due March 2007

Management of the Addicted Patient in Primary Care

This book assists primary care physicians in managing patients with addictive illness. The introductory section gives background and rationale for acquiring the requisite knowledge and skills. Following a presentation of addiction “basics,” the majority of the book focuses on providing insight and developing practical skills that can be readily implemented in an office-based setting. Case presentations illustrate frequently encountered situations. Invaluable descriptions of the underlying psychosocial processes and a brief introduction to chronic pain in addiction are provided. Nonpharmacologic modalities for managing addiction are discussed. Pharmacologic interventions aimed at the office-based management of withdrawal symptoms are also clearly outlined. The importance of community-based recovery support systems is considered. Criteria for referral are detailed as well. The clinical ‘pearls’ &nbsfp;further aid the reader in treating this difficult patient population.

Features

One of the only books available on the subject Logically organized into easily accessible sections Emphasizes the knowledge and skills needed to treat addiction in an office-based primary care setting Provides a crucial understanding of why and when to refer Bulleted clinical ‘pearls’ aid in patient management

Contents


Fields of interest

Primary Care Medicine; General Practice / Family Medicine; Pediatrics; Clinical Psychology; General Psychology

Target groups

Family medicine physicians, family medicine residents, primary care physicians, physician assistants, pediatricians

Type of publication

Handbook

Due August 2007

Advanced Bioimaging Technologies in Assessment of the Quality of Bone and Scaffold Materials

This book provides a perspective on the current status of bioimaging technologies developed to assess the quality of musculoskeletal tissue with an emphasis on bone and cartilage. It offers evaluations of scaffold biomaterials developed for enhancing the repair of musculoskeletal tissues. These bioimaging techniques include micro-CT, nano-CT, pQCT/ QCT, MRI, and ultrasound, which provide not only 2-D and 3-D images of the related organs or tissues, but also quantifications of the relevant parameters. The advance bioimaging technologies developed for the above applications are also extended by incorporating imaging contrast-enhancement materials. Thus, this book will provide a unique platform for multidisciplinary collaborations in education and joint R&D among various professions, including biomedical engineering, biomaterials, and basic and clinical medicine.

Features

Introduction of cutting-edge bioimaging technologies for studying musculoskeletal systems Application of advanced imaging techniques Richly illustrated with 2-D and 3-D images of the related organs or tissues

Fields of interest

Imaging / Radiology; Orthopedics; Biomedical Engineering; Physiotherapy; Endocrinology; Metabolic Diseases

Target groups

Medical doctors; clinical and materials scientists, bioengineers, technologists, postgraduate students

Type of publication

Monograph

Due August 2007

2007. XV, 700 p. 333 illus. Hardcover

219.00 €

ISBN 978-3-540-45454-0
Immunotherapy in 2020
Visions and Trends for Targeting Inflammatory Disease

This volume features contributions from participants of the ESRF symposium on ‘Immunotherapy in 2020 — Visions and Trends for Targeting Inflammatory Diseases’ held in Potsdam near Berlin, Germany, in October 2006. The symposium presentations covered the main mechanisms of immunoregulation such as peripheral and central tolerance, epigenetic programming, immunologic memory, and regulatory networks in inflammation as well as novel experimental and clinical approaches for targeting inflammation in autoimmunity and transplantation. An important related question is how recent findings in immunological research can lead to improved diagnostics, new drugs, and better therapies. The targeting of novel pathways and immunoregulatory mechanisms, the challenge of immunologic memory for lasting successful anti-inflammatory therapy, new approaches for adoptive T cell and polyclonal antibody therapies, and the individualization of immunomodulatory therapies are thereby topics of this volume.

Contents

Fields of interest
Immunology; Rheumatology

Target groups
Scientists in the field

Type of publication
Proceedings

Due August 2007

Prostate Cancer

This comprehensive and easy-to-read monograph is an authoritative update on clinical prostate cancer. It has been prepared by an international, multidisciplinary team at the invitation of the International Prostate Health Council think tank. The management of prostate cancer - the most prevalent type of cancer in men in the Western world - has been revolutionized by the vastly increased knowledge and new fact-finding research on its natural (treated) history, the new concepts on diagnosis and prognosis, and a broad range of valid, competing treatment options. A particular strength of the book is its presentation of the therapeutic options for patients with localized and advanced disease, including hormonal treatment. Medical and radiation oncologists as well as urologists will find an invaluable overview of the current concepts and practice in this rapidly evolving field.

Contents

Due March 2007

Fecal Incontinence
Diagnosis and Treatment

Fecal incontinence is a frequent, distressing condition that has a devastating impact on patients’ lives. However, patients are typically embarrassed and reluctant to acknowledge this disability, so they relinquish the possibility of being cured and remain socially isolated. Since fecal incontinence may result from various pathophysiological situations, an accurate diagnostic work-up of each patient is fundamental. Today, a wide range of therapeutic options is available, but making the correct choice is pivotal to the successful management of this condition. This book is aimed at all physicians involved in the assessment and treatment of fecal incontinence. Its main purpose is to review the latest advances in the epidemiologic, socio-economic, psychologic, diagnostic, and therapeutic aspects of fecal incontinence, in order to establish guidelines for effective treatment.

Contents
From the contents Section I Structure and function in continence and incontinence: Anatomy and Physiology of Continence. - Epidemiology of Fecal Incontinence. - Pathophysiology of Fecal Incontinence. - Risk Factors in Fecal Incontinence. - Psychological Aspects of Fecal Incontinence. - Impact of Fecal Incontinence on Quality of Life. - Social Aspects and Economics of Fecal Incontinence. - Section II Diagnosis of Fecal Incontinence: Clinical Assessment of Incontinent Patient. - Diagnosis of Fecal Incontinence. - Imaging of fecal Incontinence with Endoanal Ultrasound. - Imaging of Fecal [...]
"The streets of Vienna are paved with history of medicine," the famous Viennese writer and journalist Karl Kraus could have said. In fact, an attentive visitor can’t move through the city without being reminded by all the street names, historical buildings, monuments or memorial stones that Vienna has been a capital of medicine where students and doctors from all over the world came to learn. This city guide is meant for all the visitors of this fascinating city, who are interested in the history of medicine. 15 walks through the city show the reader the traces of the old medical Vienna: the Fools’ Tower, Freud’s private practice and apartment, the workplaces of many famous physicians, through the Old General Hospital, the old university, or the most important pathological museums. Many unknown details and anecdotes are included as well as a short history of Vienna and some gourmet tips and the famous Viennese coffee shops for relaxing.

**Features**
- Many unknown details and anecdotes
- Richly illustrated
- Gourmet tips for the short trip

**Fields of interest**
- Popular Science in Medicine and Health; History of Medicine; Pharmacy; ARTS; History; Cities, Countries, Regions

**Target groups**
- Doctors from all disciplines

**Type of publication**
- Handbook

Due June 2007


19,95 €
ISBN 978-3-211-48949-9
The Illusion of Certainty

Health Benefits and Risks

This book peels away the “veneer of certainty” which many of us attach to health risk and benefit information given to us in our daily lives. It was written and designed primarily to assist the public in comprehending and interpreting the uncertainty associated with the overwhelming amount of information on medical and environmental health risks. The book uses unique, visual presentations and case studies to explain the benefits of medical screening tests (e.g., mammography, prostate and colorectal cancer screening, cholesterol screening) and drugs (e.g., statins, Vioxx®) and the risks associated with exposure to environmental contaminants (e.g., lead, dioxin, radon). This book will help patients and their families get more involved in making medical decisions, and citizens face critical questions about the environment. By putting the complexities of risk analysis in terms the general public can relate to, the authors are empowering people to make well-informed decisions.

Features

Foreword is written by Dr. Jared Cohon, President of Carnegie Mellon University. Of interest to millions of people who are concerned with true benefit of screening tests such as mammography, prostate cancer screening, cholesterol screening and colorectal cancer screening informs the public on true risks and benefits of taking statins, drugs such as Vioxx®, the risks of smoking and the risks of exposure to [...]

Fields of interest

Popular Science in Medicine and Health; Medicine, general; Environmental Management

Target groups

Patients and their families

Type of publication

Monograph

Due September 2007

2007. XX, 244 p. Softcover

24,95 €


Quality of Life Impairment in Schizophrenia, Mood and Anxiety Disorders

New Perspectives on Research and Treatment

This book presents new insights that health-related quality of life (HRQL) impairment is a core domain of prevalent mental disorders such as schizophrenia, schizoaffective, mood and anxiety disorders. The authors present a new conceptual framework for this field by explaining how HRQL impairment arises from interactions between various multidimensional factors. They suggest several ways in which further research could enhance our understanding of HRQL impairment, its biological basis, and its relevance to psychopathology. There is discussion of the current findings, issues and concerns regarding instruments for measuring HRQL, and quality of life impairment in specific mental disorders. Comparative data regarding HRQL deficit in these disorders and the clinical and psychosocial indicators of HRQL in each of the specific disorders are presented, and suggestions for future research are provided. This essay collection, written by leading researchers in this field presents a comprehensive framework for [...]

Features

The Distress/Protection Vulnerability model of HRQL impairment New insights from neuroscience Integrative approach to quality of life measurement Comparative data regarding severe mental disorders Treatment and Rehabilitation Issues

Fields of interest

Psychiatry; Clinical Psychology; Rehabilitation; Social Work; Neurosciences

Target groups

Researchers, health care providers, policymakers in mental health care and rehabilitation

Type of publication

Contributed volume

Due June 2007


149,95 €


Handbook of Disaster Research

Recent disasters, such as the 2004 Indian Ocean Tsunami, bomb explosions in London, Hurricane Katrina, the Pakistan Earthquake, floods in Central America, and landslides in Indonesia, among many others, have resulted in an extensive loss of life, social disruption, significant economic impacts to local and national economies, and have made headline news in countries throughout the world. Thus the Handbook of Disaster Research is a timely and much needed contribution to the field of disasters. The editors of this Handbook have brought together a comprehensive and interdisciplinary volume with a diverse and international group of contributors. The Handbook is based on the principle that disasters are social constructions and focuses on social science disaster research. Attention is given to conceptual issues dealing with the concept “disaster” and to methodological issues relating to research on disasters, including Geographic Information Systems as a useful research tool and its implications for [...]

Features


Fields of interest

Sociology; Health Care Administration; Demography

Target groups

Social scientists studying the effects of disasters (both natural and man made) on humans, sociologists, public health specialists, demographers, economists, and political scientist

Type of publication

Handbook

Due August 2007

2007. XXII, 611 p. (Handbooks of Sociology and Social Research) Softcover

62,95 €

Manual of Laparoscopic Urology

In this book every urologic procedure is described in a step by step sequence of events and the text is supplemented with innumerable Tips, colored illustrations and high definition photographs depicting the main steps of the procedures. The structure of every chapter is extremely clear, and emphasis is given to the laparoscopic surgical technique. The aim of this manual is to provide the Urologic Surgeon the practice of the art of Laparoscopic Surgery. It guides the reader through every stage of the laparoscopic procedure, from the equipment’s settings to the correct position of the needle on the needle holder. The first chapter introduces the reader to the basic aspect of Laparoscopy, the physiologic effects of pneumoperitoneum and its potential clinical outcome in the body systems, anesthesia problems in laparoscopy, technical considerations and check list on equipment and instruments. It demonstrates the correct handling of laparoscopic instruments, going through basic and advanced suturing. […]

Features
Every urologic procedure is described in a step-by-step sequence of events. The text is supplemented by innumerable Tips, illustrations and high definition photographs (around 400) depicting the main steps of the procedures. Guides through every stage of the laparoscopic procedure. Good source of practical information, mainly the tips and tricks of the art of Laparoscopic Surgery.

Contents

Fields of interest
Urology/Andrology; Diagnostic Radiology; Surgery; Gynecology; Proctology; Abdominal Surgery

Target groups
Practicing urologists, laparoscopic urologists, general surgeons

Type of publication
Professional book

Due March 2007

Operative Neuromodulation

Volume 2: Neural Networks Surgery

Neuromodulation is a rapidly evolving multidisciplinary biomedical and biotechnological field. The two volumes present the state-of-the-art in established and emerging applications for pain, spasticity, movement disorders, bladder and bowel dysfunction, cardiovascular disease, epilepsy, psychiatric illness, impairment of hearing and vision, and computational neuromodulation. Experts describe the neural networks involved and the appropriate surgical approaches, provide clinical guidelines, technical descriptions of implanted devices, proposals for refinements and personal views on future prospects of the field. The immense therapeutic potential is highlighted which arises from the close collaboration of biomedical scientists and biotechnological engineers in this area and signifies the transition from the conventional “resective” surgery to functional neuroprosthetic surgery (Vol. I) and neural networks surgery (Vol. II) which uses neuro-engineering to improve impaired neural function. Vol. 2 […]

Features
The two volumes represent the state of the art in established and emerging applications for pain, spasticity, movement disorders, bladder and bowel dysfunction, cardiovascular disease, epilepsy, psychiatric illness, impairment of hearing and vision, and computational neuromodulation. Experts describe the neural networks involved and the appropriate surgical approaches Vol. II describes the techniques and methods…

Contents

Fields of interest
Neurosurgery; Neurology; Pain Medicine; Neurosciences

Target groups
Researchers, practitioners

Type of publication
Professional book

Due May 2007

Operative Neuromodulation

Volume 1: Functional Neuroprosthetic Surgery. An Introduction

Neuromodulation is a rapidly evolving multidisciplinary biomedical and biotechnological field. The two volumes present the state-of-the-art in established and emerging applications for pain, spasticity, movement disorders, bladder and bowel dysfunction, cardiovascular disease, epilepsy, psychiatric illness, impairment of hearing and vision, and computational neuromodulation. Experts describe the neural networks involved and the appropriate surgical approaches, provide clinical guidelines, technical descriptions of implanted devices, proposals for refinements and personal views on future prospects of the field. The immense therapeutic potential is highlighted which arises from the close collaboration of biomedical scientists and biotechnological engineers in this area and signifies the transition from the conventional “resective” surgery to functional neuroprosthetic surgery (Vol. I) and neural networks surgery (Vol. II) which uses neuro-engineering to improve impaired neural function. Volume I […]

Features
First comprehensive and authoritative presentation of the multidisciplinary biomedical and technological field of neuromodulation. All neuromodulatory techniques from well-established to emerging and promising procedures are presented in a concise and thorough manner with a great number of illustrations.

Contents
- Pain.
- Spasticity and related disorders.
- Cardiovascular, cerebrovascular and respiratory disorders.
- Bladder, bowel, and sexual disorders.
- Functional electrical stimulation.
- Neuroprostheses.
- Emerging applications

Fields of interest
Neurosurgery; Neurology; Pain Medicine; Rehabilitation Medicine; Neurosciences

Target groups
Researchers, practitioners

Type of publication
Professional book

Due April 2007

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Fields of interest
Neurosurgery; Neurology; Pain Medicine; Rehabilitation Medicine; Neurosciences

Target groups
Researchers, practitioners

Type of publication
Professional book

Due April 2007
Mechanisms of Insulin Action

More than 18 million people in the United States have diabetes mellitus, and about 90% of these have the type 2 form of the disease. In addition, between 17 and 40 million people have insulin resistance, impaired glucose tolerance, or the cluster of abnormalities referred to variably as the metabolic syndrome, the dysmetabolic syndrome, syndrome X, or the insulin resistance syndrome. In all of these disorders, a central component of the pathophysiology is insulin resistance, i.e., reduced responsiveness to insulin in tissues such as muscle, fat and liver. Insulin resistance is also closely linked to other common health problems, including obesity, polycystic ovarian disease, hyperlipidemia, hypertension, and atherosclerosis. In this book, we will attempt to dissect the complexity of the molecular mechanisms of insulin action with a special emphasis on those features of the system that are subject to alteration in type 2 diabetes and other insulin resistant states. We explore insulin action at the [..]

Features
Attempts to dissect the complexity of the molecular mechanisms of insulin action with a special emphasis on those features of the system that are subject to alteration in type 2 diabetes and other insulin resistant states.

Contents

Fields of interest
Endocrinology; Cell Biology; Diabetes; Cardiology

Target groups
Endocrinologists, cell biologists, physiologists, diabetes specialists

Type of publication
Contributed volume

Due September 2007

The book covers the history of plastic surgery from ancient to modern times including invaluable data and illustrations from the Sanvenero Rosselli Foundation Fascinating overview of an exciting field

Contents

Fields of interest
Plastic Surgery; Surgery; Traumatic Surgery

Target groups
Researchers and clinicians in plastic surgery and related fields

Type of publication
Monograph

Due June 2007

Tremendous acceleration and changes in scientific discovery and progress are presently occurring. These important emerging technologies that will affect the practicing surgeon within the next 10 to 20 years are illustrated in detail in this volume. Its purpose is not to review clinical experience of the common surgical practice of the past decade, but to outline and illustrate the future trends. International experts in this field demonstrate emerging procedures and significant advances.

Features
International update on most recent advances in surgical techniques. Informative scientific outlook into the next 10–20 years in surgery. Wealth of clear and instructive illustrations

Contents

Fields of interest
Surgery; General Surgery; Interventional Radiology; Transplant Surgery

Target groups
Surgeons at all levels of experience

Type of publication
Monograph

Due July 2007

2007. XVI, 168 p. 90 illus. Hardcover
49,95 €
ISBN 978-3-540-39599-7

2007. XVI, 168 p. 90 illus. Hardcover
124,95 €
ISBN 978-0-387-72203-0

2007. XVI, 214 p. (Medical Intelligence Unit) Hardcover
229,00 €
ISBN 978-3-540-46240-8
Salmonella: Methods and Protocols

Salmonella: Methods and Protocols presents detailed methods on a variety of aspects of Salmonella research, focusing on those which provide landmarks for future discovery. Highlighted topics include molecular genotyping, rapid and accurate new methods for sensitive determination of antibiotic resistance profiles, the characterization of Salmonella-specific cell antigens, and Salmonella-host cell interactions. Detailed methods for studying Salmonella motility are also presented. Each chapter provides a short overview of the topic, which is followed by detailed explanations of techniques such as genetic manipulation and molecular imaging that offer the possibilities of using Salmonella as a therapeutic vector to interfere with disease. This is the first comprehensive volume of methods and protocols for studying Salmonella and will be indispensable to researchers engaged in the study of Salmonella, and enterobacteria in general. Because no recent comprehensive literature of this format is available on [-].

Features
The first comprehensive collection of Salmonella methods and protocols Explains basic techniques that can be easily applied to any enterobacteria Each chapter includes a short overview followed by detailed explanations of techniques

Contents

Fields of interest
Cell Biology; Infectious Diseases; Human Genetics; Pharmacology; Toxicology

Target groups
Molecular and cell biologists, geneticists, microbiologists, toxicologists, public health scientists, infectious disease specialists

Type of publication
Contributed volume

Due September 2007

Clinical Neuro-Ophthalmology

Clinical Neuro-Ophthalmology is a challenge for residents and experienced clinicians alike. This book covers all relevant techniques of diagnosis as well as interpretations of clinical signs. All information is highly structured, highlighting ‘definition’, ‘note’, and ‘pearl’, so that it can also be used by the physician during the patient encounter. The included flow chart posters remind the physician of the most important information. Further, the accompanying animated CD contains all of the text passages in a searchable format, interactive case demonstrations, animated sequences of clinical signs and video recordings of clinical examinations. This unique and practical guide offers invaluable and practical advice for physicians treating patients with neuro-ophthalmic problems.

Features
Written by internationally renowned experts The user-friendly format, highlighting ‘take home messages’ and including many tables, flowcharts and illustrations, allows the reader to quickly find the information they are looking for. The accompanying CD contains: all of the text passages included With video-clips, animated images and interactive case reports, glossary, training program and internet links on enclosed CD

Fields of interest
Ophthalmology; Neurology; General Practice / Family Medicine

Regional Cancer Therapy

This volume provides a biological and pharmacological background for regional cancer therapy, strategies and techniques for regional therapies, and specific indications and results for different tumor entities. Clinical trial concepts and detailed treatment protocols are also presented. Part I describes biological and pharmacological fundamentals for therapy and introduces laboratory models for isolated limb and organ perfusion. Topics introduced in Part II include interventional radiotherapy, surgical strategies, regional thermo therapy, radiofrequency thermal ablation, cryoablation, nanocarriers and drug delivery, and local gene therapy for cancer. Highlights of Part III include regional chemotherapy of primary and metastatic liver tumors and focal liver ablation techniques in primary and secondary liver tumors. Regional Cancer Therapy is essential reading for researchers and clinicians engaged in seeking advanced therapeutic options for cancer patients worldwide.

Fields of interest
Cancer Research; Oncology; Surgery; Radiotherapy; Surgical Oncology

Type of publication
Contributed volume

Due May 2007

2007. XIV, 462 p. (Cancer Drug Discovery and Development) Hardcover

134.95 €
ISBN 978-1-58829-672-6
3D Conformal Radiation Therapy
Multimedia Introduction to Methods and Techniques

Recent research in the field of radiotherapy has brought forth a wide variety of new techniques, which have significantly impacted on the clinical practice of radiotherapy. This electronic book gives an in-depth description of new techniques and their physical principles as well as an overview of new technical developments. Topics covered in this DVD include such innovative subjects as: Inverse Planning – Monte Carlo Techniques in Treatment Planning; Stereotactic Radiotherapy; Intensity Modulated Radiation Therapy; Image Guided Radiotherapy Procedures – Radiation Therapy with Charged particles; Sophisticated multimedia offers not only a comprehensive but also easily understood description of state-of-the-art radiotherapy techniques, helping you to stay up-to-date with cutting-edge research.

Features
Revised and enlarged edition Gives a description of new techniques and their physical principles Gives an overview of new technical developments Helps to stay up to date with the cutting edge of current research

Contents
Basics and Fields of Application; Patient Immobilization; Imaging; Tumor Localization; 3D Treatment Planning; Dose Calculation for Photons and Electrons; Plan Optimization; Patient Positioning; Treatment Modalities; Conformal Radiation Therapy; Quality Management; Clinical Radiation Dosimetry; Physical and Biological Properties of Heavy Charged Particles; Beam Production of Heavy Charged Particles; Beam Application; Dose Calculation for Charged Particles; Clinical Applications of Heavy Particle Beams.

Fields of interest
Radiotherapy; Oncology; Cancer Research; Computer Graphics; Human Physiology; Anatomy

Target groups
Radiotherapists; oncologists; medical technicians

Type of publication
Data software

Due May 2007

Foundations of Augmented Cognition

This book constitutes the refereed proceedings of the Third International Conference on Augmented Cognition, FAC 2007, held in Beijing, China, in July 2007, within the framework of the 12th International Conference on Human-Computer Interaction, HCI 2007, with 8 other thematically similar conferences. The 65 revised papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in three main sections. The first section focuses on general Augmented Cognition methods and techniques, including physiological and neurophysiological measures (e.g., EEG, fNIRS), adaptive techniques, and sensors and algorithms for cognitive state estimation. The second section is devoted to the discussion of various Augmented Cognition applications (e.g., simulation and training, intent-driven user interfaces, closed-loop command and control systems), lessons learned to date, and future directions in Augmented Cognition-enabled HCI.

Fields of interest
Artificial Intelligence (incl. Robotics); Health Informatics & Health Administration; Image Processing and Computer Vision; Information Systems Applications (incl. Internet); Data Mining and Knowledge Discovery; Database Management

Target groups
Researchers and professionals

Type of publication
Proceedings

Due June 2007

Recurrent Hernia
Prevention and Treatment

Recurrence is a significant public health problem. So, this fourth Suvretta meeting, held in February 2006 is intended to concentrate on this problem. Technical nuances of the various operations have been discussed to pursue consensus concerning the best techniques. Methods were explored to improve surgeons’ education and look into the multifactorial etiologies to understand the biology of hernia recurrence better.

Contents
Recurrence as an important endpoint. Biological reasons to fail. Hiatal hernia. Abdominal wall closure. Incisional hernia. How to treat the recurrent incisional hernia. Primary inguinal hernia. Recurrent inguinal hernia. Infection, pain and mesh material. To treat the “other” hernia. What can we do to improve our results?. Analysis of questionnaire.

Fields of interest
Surgery

Target groups
Surgeons, Gastroenterologists

Type of publication
Graduate/advanced undergraduate textbook

Due May 2007

2007. XVI, 433 p. 147 illus. Hardcover
119,95 € ISBN 978-3-540-37545-6

Due June 2007

2007. XX. 450 p. Also available online. (Lecture Notes in Computer Science, Vol. 4566) Softcover
60,00 € ISBN 978-3-540-73215-0

2007. DVD-ROM
129,95 € ISBN 978-3-540-71550-4
Handbook of Nutrition and Ophthalmology

The Handbook of Nutrition in Ophthalmology is the first general text on nutrition and eye health created for physicians, nutritionists, and researchers. Dr. Richard D. Sema provides important links between the epidemic of obesity and implications it has for eye disease and blindness. The volume addresses three broad themes throughout. The first is that a healthy diet as a major lifelong habit will likely have an impact on reducing a substantial portion of visual impairment and blindness. The second is that a historical perspective is essential to understanding current challenges in ophthalmology, medicine, and public health. The third theme is that many nutrients play a role in oxidative stress and inflammation, and this theory has emerged as a major underlying hypothesis in the pathogenesis of eye diseases. The volume also includes chapters addressing nutritional aspects of preventing eye disease in diabetes mellitus and other optical neuropathies, making the Handbook of Nutrition in O..

In Vivo Imaging of Cancer Therapy

Imaging studies are frequently used to evaluate the success of cancer treatments for a variety of tumor types. In Vivo Imaging of Cancer Therapy addresses a variety of cutting-edge imaging techniques, including their use for best practice, and provides examples of results found in both pre-clinical and clinical studies. This comprehensive text covers the entire spectrum of in vivo imaging for oncology, including current approaches to detailed anatomic measurements, MR and optical spectroscopy, and molecular imaging techniques requiring exogenously administered imaging agents. The challenges and approaches to quantification are also outlined. The authors describe technologies and methods that are currently clinically available, and many that are still in a developmental stage or useful only in animal studies. However, it is important to realize that the majority of imaging devices now offered for sale by the major imaging equipment manufacturers did not exist as recently as 3 or 4 years ago. Thus [...] Features

Covers entire spectrum of in vivo imaging for oncology, including current approaches to anatomic measurement, MR and optical spectroscopy, and molecular imaging techniques. Contributors are world-renowned and represent a variety of fields.

Fields of interest

Oncology

Target groups

Researchers and professionals

Type of publication

Contributed volume

Due September 2007


134,95 €


Chlamydia Atherosclerosis Lesion

Dr. Shor believes it is important for every medical practitioner to be aware of the new aspects of this disease, and that all facts concerning the circumstances, the finding of the germ, the specific pathological features and other aspects which change the concept of heart attacks, remarkably, methods of diagnoses of the lesion should all be known. Details and facets of the lesion are necessary for assessment, acceptance or rejection of this very important new disease, by the scientific community. It opens up new diagnosis and treatments, with potential cure and eradication of this deadly disease. Immunization or eradication of this germ if possible will open new horizons.

Features

Only book to cover this topic

Contents


Cardiology, General Practice / Family Medicine; Internal Medicine; Infectious Diseases

Target groups

Medical practitioners, general practitioners, cardiologists, vascular surgeons, physicans, pharmaceutical firms who manufacture drugs to treat the disease; neurologists, anatomical pathologists, microbiologists, researchers, possibly the general public and patients who have an interest in the disease

Type of publication

Professional book

Due September 2007

2007. XI, 170 p. 100 illus., 69 in color. Hardcover

134,95 €

ISBN 978-1-84628-809-8
Target Discovery and Validation Reviews and Protocols
Emerging Molecular Targets and Treatment Options, Volume 2

Fields of interest
Oncology

Target groups
oncologists, drug development scientists, geneticists

Type of publication
Contributed volume

Due May 2007

99,95 €
ISBN 978-1-58829-890-4

Essential Practice Guidelines in Primary Care

This new volume in the Current Clinical Practice™ series puts the most important evidence-based, nationally recognized clinical guidelines together in one place. As a result, busy clinicians can go to one source when, in the care of a patient, a question arises that is best answered by an existing clinical guideline. Among the topics covered in this volume are hyperlipidemia, management of newly diagnosed atrial fibrillation, antithrombotic therapy for venous thromboembolic disease and atrial fibrillation, and prevention of bacterial endocarditis. The book details treatment for asthma and infectious diseases ranging from pneumonia to tuberculosis to diarrhea. The volume also contains chapters on endocrinology, gynecology, neurology, and psychiatry. With the busy clinician in mind, Essential Practice Guidelines in Primary Care has been constructed from its origin to have a companion PDA resource, with summaries of the guidelines in this book and additional summaries of guidelines not included in the...

Features
Encompasses cardiology, respiratory, infectious diseases, endocrinology, gynecology, neurology, and psychiatry Chapters written by world leaders in respective fields One-stop source for evidence-based, nationally recognized clinical guidelines

Contents
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<tr>
<td>Complementary and Alternative Medicine</td>
<td>Contributed volume</td>
<td>ISBN 978-1-58829-482-0</td>
<td>69,95 €</td>
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Fundamentals of Geriatric Medicine

A Case-Based Approach

The wealth of knowledge contained in the classic text, Geriatric Medicine: An Evidence-Based Approach, 4/e, by Cassel et al. has been streamlined into this handy guide that enables primary care, family medicine, and internal medicine residents to quickly integrate the material into clinical practice. Written by top experts in the field, this book is an excellent overview of geriatric care. It addresses geriatric pharmacology, Medicare and Medicaid, and other subjects unique to older adults. The text has a case-based instructional approach that helps readers navigate the complexity of disease prevention, presentation, and treatment for conditions such as depression, dementia, and hypertension. Graphs and tables also aid the reader in determining the proper courses of treatment. The broad range of knowledge and skill presented in this practical guide make it an essential resource for all those caring for the elderly.

Features

Useful guide based on the essentials from Cassel’s Geriatric Medicine: An Evidence-Based Approach, 4/e. Designed to enable primary care, family medicine, and internal medicine residents to quickly integrate concepts into clinical practice. Case-based instructional approach presents a relevant overview of geriatric care.

Contents

Approach to the Older Adult Patient.- The Comprehensive Geriatric Assessment.- Geriatric Pharmacology and Drug Prescribing for Older Adults.- Sites of Care for Older Adults.- Medicare and Medicaid.- Psychosocial Influences in Health in Late Life.- Medico-Legal Aspects of Older Adult Care.- Prevention and Chemoprophylaxis in the Elderly.- Vision and Hearing Impairments.- Exercise and Rehabilitation.- Nutrition.- The Older Surgical Patient.- Depression, Dementia, Delirium.- Insomnia and Other Sleep Disorders.- Transient Ischemic Attacks and Stroke.- Parkinson’s Disease and Related [...] Fields of interest

Primary Care Medicine; Geriatrics/Gerontology; General Practice / Family Medicine

Target groups

Primary care residents, geriatric medicine residents, family medicine residents, primary care physicians, geriatric medicine physicians, family medicine physicians, general internists, geriatric nurses, physician assistants, allied health professionals

Type of publication

Professional book

Due March 2007

Bioethics in Law

This groundbreaking volume is the first to analyze how and to what extent bioethics considerations influence today’s judges. Previous books have attended to the law that governs bioethics problems, but Bioethics in Law is the first to examine when and how bioethical issues impact judicial reasoning and decision-making. The author undertakes careful analysis of health care committee recommendations, institutional review board determinations, bioethics commission reports, bioethics research materials, briefs of bioethics amicus curiae, and bioethics expert testimony that has been used in legal proceedings during the last decade. Through such examination, Bioethics in Law is able to offer critical insight into the ways that judges have invited, accepted, relied on, followed, critiqued, ignored, rejected, overridden, transformed, and otherwise responded to bioethics communications. This volume is the cutting-edge of the relationship of bioethics to law, and explores how law receives, assesses, [...] Fields of interest

Theory of Medicine/Bioethics

Target groups

Bioethicists, attorneys and judges

Type of publication

Monograph

Due May 2007

2007. 186 p. Softcover

53,95 €
ISBN 978-1-58829-434-0

Color Atlas of Melanocytic Lesions of the Skin

This atlas-like presentation covers the various faces of melanocytic skin lesions of cutaneous melanomas and other pigmented skin tumors. It encompasses the classical methods of morphology such as the clinical and dermoscopic examination and dermatopathology as well as the most up-to-date diagnostic approaches such as laser scanning in-vivo microscopy and automated diagnosis. The core of this book represents an atlas with excellent clinical, dermoscopic and histopathologic images on melanocytic nevi, various types of melanomas and relevant other pigmented skin tumors including basal-cell carcinomas. Each of these well illustrated entities is presented following the same structure characterized by definition, clinical and dermoscopic features, relevant clinical differential diagnosis as well as practical aspects of management. Core messages will re-capitulate the most pertinent facets of each entity. The comprehensive up-to-date text informs the reader on all practical issues of the modern-day [...] Features

Comprehensive up-to-date text on the practical issue of the modern-day management of individuals with melanocytic skin lesions. All editors and authors of this book are leading scientists, clinicians and practitioners from numerous countries all over the globe sharing the vision that melanoma can be controlled by means of screening and early detection. Lavishly illustrated with many colour [...] Contents


Dermatology; Oncology; Internal Medicine; Pathology; General Practice / Family Medicine; Nursing

Target groups

Dermatologists, oncologists, general practitioners, physicians in Internal Medicine and nurses

Type of publication

Monograph

Due September 2007

2007. XVIII. 334 p. 100 illus. in color. Hardcover

84,95 €
ISBN 978-3-540-35105-4
Clinical Functional MRI
Presurgical Functional Neuroimaging

Functional magnetic resonance imaging (fMRI) permits noninvasive imaging of the ‘human brain at work’ under physiological conditions. This is the first textbook on clinical fMRI. It is devoted to pre-operative fMRI in patients with brain tumors and epilepsies, which are the most well-established clinical applications. By localizing and lateralizing specific brain functions, as well as epileptogenic zones, fMRI facilitates the selection of a safe treatment and the planning and performance of function-preserving neurosurgery. State of the art fMRI procedures are presented, with detailed consideration of the physiological and methodological background, imaging and data processing, normal and pathological findings, diagnostic possibilities and limitations, and other related techniques. All chapters are written by recognized experts in their fields, and the book is designed to be of value to beginners, trained clinicians and experts alike.

Features

- First textbook on clinical fMRI
- Comprehensive presentation of state of the art fMRI procedures, their applications, and background information
- Focuses specifically on preoperative fMRI in patients with brain tumors and epilepsies, the most well-established clinical applications
- Written by recognized experts in their fields
- Of value to beginners, trained clinicians and experts alike

Contents

- Introduction (Background, Physiological Basics)
- Methods, Data Acquisition and Processing
- Functional Neuroanatomy (Motor, Somatosensory, Language)
- Presurgical fMRI in Brain Tumors (Protocols and Clinical Application)
- Presurgical Functional Neuroimaging in Epilepsy
- Functional Neuroanovigation
- Validity of Presurgical Functional Localization, Possibilities, Limits
- Multimodality Functional Neuroimaging
- Plasticity and Reorganization
- Pitfalls, Tips and Tricks
- Subject Index
- List of Contributors

Fields of interest

- Imaging / Radiology
- Diagnostic Radiology
- Neuroradiology
- Neurosurgery
- Radiotherapy
- Neurosciences

Target groups

- Beginners, trained clinicians and experts in Neuroradiology, Radiology, Neurosurgery, Neurology, Nuclear Medicine, Oncology, Neuropsychology, Clinical Neurosciences

Type of publication

- Monograph

Due March 2007

Role of Physical Exercise in Preventing Disease and Improving the Quality of Life

Over the last decade studies have shown that physical exercise plays an important role in maintaining an individual’s psycho-physical balance. In particular, it has been demonstrated that prolonged regular physical activity (now defined in scientific publications as chronic physical activity) helps to significantly reduce the incidence of neurodegenerative and neuromuscular diseases, which are often associated with ageing, while at the same time bolstering the immune system. Promoting physical activity therefore helps preventing today’s major health challenges, such as diabetes, high blood pressure, cardiorespiratory diseases, obesity, osteoporosis, arthritis, and cancer, thus leading to a reduction in healthcare costs and freeing up resources for future generations. The volume will be an essential reading for all health professionals and for residents in medicine and in health and physical exercise.

Features

- Over the last decade studies have shown that physical exercise plays an important role in maintaining an individual’s psycho-physical balance
- Aim of this volume is to underline that promoting physical activity is crucial for preventing illness and maintaining our health leading to a reduction in healthcare costs
- Will be essential reading for all health professionals and residents in medicine and in health

Contents

- Metabolic Modifications and Physical Exercise
- Mitochondrial Biogenesis and Physical Exercise
- Physical Exercise and Oxidative Stress
- Mitochondrial Alterations in Ageing and Diseases
- Nutrition, Physical Exercise and Obesity
- Physical Exercise and Health
- Wellness: Sociological and Psychological Aspects

Fields of interest

- Health Promotion and Disease Prevention: Diabetes
- Metabolic Diseases: Quality of Life Research

Target groups

- General practitioners, specialists in physiology, biochemistry, nutrition, health professionals

Type of publication

- Professional book

Due August 2007

Urinary Stone Disease

Urinary Stone Diseases: The Practical Guide to Medical and Surgical Management is a compendium of contemporary views on the development, treatment, and prevention of urinary stone disease. Emphasis is placed on utilizing current research to highlight areas of potential discovery and inspire novel approaches to easing the burden of urinary stone disease.

Features

- Stone nomenclature and history of instrumentation for stone disease
- Explores the genetics of stone disease and theories of stone formation
- Hormonal influences on nephrolithiasis
- Examines the relationship between diet and urolithiasis
- Anesthetic considerations and possible complications of urinary stone surgery
- Presents laparoscopic approaches to urinary stone disease

Contents

- Stone Nomenclature and History of Instrumentation
- Epidemiology and Incidence of Stone Disease
- The Genetics of Stone Disease
- Theories of Stone Formation
- Structure and Compositional Analysis of Kidney Stones
- Calcium Oxalate
- Renal Acid-Base Balance and Renal Tubular Acidosis
- Urinary Stone Inhibitors: Citrate and Magnesium
- Modulators of Crystallization
- Diet and Urolithiasis

Fields of interest

- Urology
- Andrology
- Surgery
- Nephrology
- Internal Medicine

Target groups

- Urologists, internists, surgeons, nephrologists, radiologists, anesthesiologists

Type of publication

- Contributed volume

Due July 2007


149.95 €
Endoscopic Extraperitoneal Radical Prostatectomy

Laparoscopic and Robot-Assisted Surgery

Endoscopic/ laparoscopic extraperitoneal radical prostatectomy (EERPPE) has become established as a therapeutic option for localized prostate cancer. This book is an atlas, not a conventional textbook. Its main goal is to guide the urologist step by step through EERPPE, aiming to make this highly standardized technique reproducible. Every stage of the procedure is presented with numerous endoscopic images and diagrams so that the reader can fully comprehend the different surgical steps. Complications and their management are described in detail. Special chapters are devoted to the anatomy of the prostate, anesthesiological considerations, and postoperative management and training.

Contents


Fields of interest

Urology/Andrology; Surgical Oncology

Target groups

Practitioners and professionals

Type of publication

Professional book

Due September 2007

Gynecology for the Primary Care Physician

Th.G. Stovall, Germantown, TN, USA; F.W. Ling, Vanderbilt University School of Medicine, Nashville, Tennessee, USA (Eds.)

Glycovirology Protocols

R.J. Sugrue, Institute of Virology, Glasgow, UK (Ed.)

Glycovirology Protocols reviews the increasing importance of glycosylation to the field of virology, as well as virus replication. The chapters provide an overview of glycosylation in relation to virus infection, and the generic techniques that are used to analyze and characterize glycoproteins.

Features

An introductory overview of viruses and glycosylation In-depth coverage of a variety of glycoproteins Chapters written by world-renowned leaders in the

Contents

Vaccines and Glycosylation: An Overview.- Interaction Between Respiratory Syncytial Virus and Glycosaminoglycans, Including Heparan Sulfate.- Expression of the Severe Acute Respiratory Syndrome Coronavirus 3a Protein and the Assembly of Coronavirus-Like Particles in the Baculovirus Expression System.- The C-Type Lectins DC-SIGN and L-SIGN: Receptors for Viral Glycoproteins.- Functional Analysis of the N-Linked Glycans Within the Fusion Protein of Respiratory Syncytial Virus.- Expression and Purification of Viral Glycoproteins Using Recombinant Vaccinia Viruses for Functional and [...]
Deformable Models

Theory and Biomaterial Applications

In the biomedical field, biomedical imagery has come to be a discipline of its own, given the nature of its applications in the understanding of the human body and medical diagnostics. The understanding of Deformable Models are the significant utility on biomedical imagery primarily because of its ability to perform efficient topology preservation and fast shape recovery. This has dominated the binary, grayscale and color imaging frameworks, which the eye can perceive. It has not only the ability to find boundaries and surfaces that are deep-seated in 2-D and 3-D volumes respectively, but also provide satisfactory solutions for the completion of cognitive objects with missing boundaries. Deformable Models: Theory and Biomaterial Applications focuses on the core image processing techniques: theory and biomaterials useful to research and industry.

Features

Covers the complete spectrum of deformable models - its evolution as an imagery field and its use in many biomedical engineering and clinical application disciplines. Includes level sets, PDEs, curve and surface evolution and their applications in biomedical fields covering both static and motion imagery Accompanied with a CD-ROM containing answers to chapter questions, all figures in color, and each chapter’s […]

Contents

Signed Distance Transform. - Subjective Level Sets. - Level Set application to BioFiltrs. - Level Set Shape Models. - Real-time level set implementation including software and hardware architectures. - A Level Sets Formulation for Dual Snakes Model. - Object Tracking Combining Hausdorff Distance. - HSV Histogram and Nonextensive Entropy. - Extrapolation Techniques For Finite Element Method. - GVF vs. Level Set. - Level Set Registration. - Active Shape and Appearance Models for Facial Image Analysis. - PDE-Based Three Dimensional Path Planning For Virtual Endoscopy. - Application of Level sets in […]

Fields of interest

Biomedical Engineering: Imaging / Radiology; Theory of Computation

Target groups

Graduate students, researchers and educators involved in imaging sciences, biomedical engineering, applied mathematics, algorithmic developers, computer vision, signal processing, computer graphics and multimedia in general

Type of publication

Contributed volume

Due August 2007

Radiation Dose from Adult and Pediatric Multidetector Computed Tomography

Because of the radiation dose delivered, multidetector row CT (MDCT) may induce cancers, and the risk of death has been estimated at up to one per 1,000 examinations. Despite this, only a small proportion of referring clinicians, radiologists, and technologists are aware of both the radiation risks and their underlying mechanisms. This book is designed to rectify this situation. The first part of the book provides a comprehensive approach to all the factors that influence the radiation dose and subsequently the risk induced by using MDCT in children and adults. Patients. In the second part, guidelines are proposed for optimization of the radiation dose in order to obtain an image quality sufficient for appropriate diagnostic performance while restricting the dose delivered. This book, written by experts of international standing, will appeal to both general and specialized radiologists, including pediatric radiologists, CT technologists, physicists, manufacturers, and all professionals involved in MDCT.

Features

Considers in depth all the factors that influence the radiation dose and the risk associated with MDCT in children and adults Proposes detailed guidelines for optimization of the radiation dose when using MDCT Written by experts of international standing Designed to appeal to both general and specialized radiologists, including pediatric radiologists, CT technologists, physicists, manufacturers, and all […]

Contents

Introduction: Clinical Expansion of CT and Radiation Dose; Part I: Radiation Risks in Multidetector CT: Risks from Ionizing Radiations; The Linear-Non Threshold Theory: Background and Limitations; CT Parameters that Influence the Radiation Dose; Collective Radiation Dose from MDCT: Critical Review and Survey Studies; Methods for Reducing the Radiation Dose from MDCT: Incl. Image Quality; Automatic Exposure Control in Multidetector-Row CT; Patient Centering and CT Radiation Dose; Part II: Clin. Approaches of Dose Optimization, and Reduction: Dose Optimization and Reduction in CT of Head […]

Fields of interest

Imaging / Radiology; Diagnostic Radiology; Pediatric; Neuroradiology; Internal Medicine

Target groups

General and specialized radiologists, including pediatric radiologists, CT technologists, physicists, manufacturers and all professionals involved in MDCT

Type of publication

Monograph

Due March 2007

Gllissonean Pedicle Transsection Method for Hepatic Resection

The Gllissonean pedicle transsection method for hepatic resection has been recognized and practiced as a safe, well-established technique for reliable anatomical and systematic hepatic resection for more than 20 years. This method has advantages not only in simplification of the techniques of hepatic resection but also in reduction of intraoperative hemorrhage. In this book, the author, who originally developed the technique, presents a concept of hepatic segmentation with respect to the Gllissonean pedicle tree, and surgical procedures for segmentectomy and cone-unsection are outlined. Detailed illustrations are included depicting every important action a surgeon must consider while performing these operations, and the accompanying DVD will further assist readers in understanding the most appropriate technique, special strategies, and potential pitfalls.

Features

Features superb detailed illustrations providing essentials for hepatic resection using Gllissonean’s sheath pedicle transaction method

Contents


Fields of interest

Abdominal Surgery; Hepatology; Surgical Oncology

Target groups

Hepatic surgeons, clinicians, residents

Type of publication

Monograph

Due March 2007

2007: XII, 162 p. 238 illus., 59 in color Hardcover

179,95 € ISBN 978-4-431-48943-6
Biological Aging: Methods and Protocols

Biological Aging: Methods and Protocols investigates the various processes that are affected by the age of an organism. Several new tools for the analysis of biological aging have been introduced recently, and this volume provides methods and protocols for these new techniques in addition to its coverage of established procedures. The editors have carefully selected only those topics that are considered mainstays of the field or are showing promise in revolutionizing this relatively new science. The three main areas of focus in this cutting-edge compendium of biological aging research are: methods that are basic to understanding the fundamental mechanisms of cellular aging; new techniques used to intervene in the aging process; and approaches to analyzing the many molecular processes of biological aging. Researchers seeking new technology and techniques will find this volume of tremendous benefit as they move towards new directions in the exciting and expanding field of biological aging.

Features
New and novel techniques in biological aging research are promising areas of focus in this cutting-edge compendium of biological aging research. New and novel techniques in biological aging research are promising areas of focus in this cutting-edge compendium of biological aging research. New and novel techniques in biological aging research are promising areas of focus in this cutting-edge compendium of biological aging research.

Contents
Geriatrics/Gerontology; Cell Biology; Human Genetics

Target groups
Biotechnologists, gerontologists, molecular and cell biologists, geneticists

Type of publication
Contributed volume

Due May 2007


96,95 €
ISBN 978-1-58829-658-0

Visual Prosthesis and Ophthalmic Devices: New Hope in Sight

Visual Prosthesis and Ophthalmic Devices: New Hope in Sight details the latest technology in treating eye injuries and infections, focusing on what we can currently achieve with a variety of ocular prostheses and what the future will hold. This volume provides insight into the most up-to-date and established methods and reviews issues such as intraocular lens implants, biocompatibility of materials, retinal implants, testing models, and software designs. With chapters written by leading experts, Visual Prosthesis and Ophthalmic Devices: New Hope in Sight is a comprehensive reference for ophthalmologists, neurologists, and anyone interested in the most recent advances in visual prosthetics and ophthalmic devices.

Features
Details the latest technology in treating eye injuries and infections. Focuses on current breakthroughs with an eye on future developments. Provides insight into the most up-to-date and established methods. Reviews intraocular lens implants, biocompatibility of materials, retinal implants, testing models, and software designs.

Contents
Ophthalmology; Neurosciences; Cell Biology

Target groups
Ophthalmologists, neuroscientists, molecular and cell biologists, and biotechnologists

Type of publication
Contributed volume

Due July 2007

2007. XII, 276 p. 113 illus. (Ophthalmology Research) Hardcover

154,95 €
ISBN 978-1-934115-16-9

Retinal Degenerations

Retinal Degenerations: Biology, Diagnostics, and Therapeutics

This book focuses on what we currently know about the environment, genetics and mechanisms that lead to retinal degenerations, new diagnostics, and innovative therapeutic modalities to preserve vision.

Features
Examines the impact of diabetes on neuronal, glial, and vascular cells of the retina. Describes the role of drusen in macular degeneration and new methods for quantification. Presents cell-based therapies for restricting the progress of photoreceptor degeneration. Explores cutting-edge stem-cell based therapies for retinal transplantation. Introduces genetic modifiers affecting phenotypic expression of retinal [...] Contents
Ophthalmology; Neurosciences; Cell Biology

Target groups
Ophthalmologists, neuroscientists, molecular and cell biologists, and biotechnologists

Type of publication
Contributed volume

Due April 2007


129,95 €
Criminal Poisoning
Investigational Guide for Law Enforcement, Toxicologists, Forensic Scientists, and Attorneys

In this revised and expanded edition of his critically acclaimed Criminal Poisoning: Investigational Guide for Law Enforcement, Toxicologists, Forensic Scientists, and Attorneys, leading forensic scientist John Trestrail offers a pioneering survey of all that is known about the use of poison as a weapon in murder. Topics range from the use of poisons in history and literature to convicting the poisoner in court, and include a review of the different types of poisons, techniques for crime scene investigation, and the critical essentials of the forensic autopsy. The author updates what is currently known about poisoners in general (psychological profile, types, and statistical analyses) and their victims (who gets poisoned, investigative considerations, and classic symptoms of poisoning). The Appendix has been updated to include the more commonly used poisons, as well as the use of antifreeze as a poison, to reflect some cases that have recently come to light.

Features
Revised and expanded edition covering all aspects of murder by poisoning. Time-tested guidelines for the crime scene investigation of murder by poisoning. Commonly used poisons to reflect cases that have recently come to light. Key courtroom strategies for successfully convicting the poisoner. Essentials of the forensic autopsy. Process Updated profiles of the poisoner and his victim. Numerous figures now used to explain.

Contents
Poisoners Throughout History.
- Types of Poisons.
- Poisons.
- Victims.
- Crime Scene Investigation.
- The Forensic Autopsy.
- Proving Poisoning.
- Poisoners in Court.
- Poisoning in Fiction.
- Conclusions.

APPENDIX:
Some Common Homicidal Poisons:
- Antifreeze (Methanol, or Ethylene glycol).
- Arsenic.
- Botulinus Toxin.
- Cyanide.
- Sodium Fluoroacetate.
- Strychnine.
- Thallium.

Fields of interest
Forensic Medicine; Pathology; Laboratory Medicine

Target groups
Forensic Scientists Investigating Homicide, Analytical Toxicologists, Clinical Toxicologists, Forensic Toxicologists, Criminal Attorneys, and Police Investigators

Type of publication
Monograph

Due June 2007

2007, XV, 181 p. (Forensic Science and Medicine) Hardcover
62.95 €
ISBN 978-1-58829-821-8

Criminal Poisoning
Investigational Guide for Law Enforcement, Toxicologists, Forensic Scientists, and Attorneys

In this revised and expanded edition of his critically acclaimed Criminal Poisoning: Investigational Guide for Law Enforcement, Toxicologists, Forensic Scientists, and Attorneys, leading forensic scientist John Trestrail offers a pioneering survey of all that is known about the use of poison as a weapon in murder. Topics range from the use of poisons in history and literature to convicting the poisoner in court, and include a review of the different types of poisons, techniques for crime scene investigation, and the critical essentials of the forensic autopsy. The author updates what is currently known about poisoners in general (psychological profile, types, and statistical analyses) and their victims (who gets poisoned, investigative considerations, and classic symptoms of poisoning). The Appendix has been updated to include the more commonly used poisons, as well as the use of antifreeze as a poison, to reflect some cases that have recently come to light.

Features
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Contents
Poisoners Throughout History.
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APPENDIX:
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- Botulinus Toxin.
- Cyanide.
- Sodium Fluoroacetate.
- Strychnine.
- Thallium.

Fields of interest
Forensic Medicine

Target groups
Forensic scientists investigating homicide, analytical toxicologists, clinical toxicologists, forensic toxicologists, criminal attorneys, and police investigators

Type of publication
Monograph

Due June 2007

2007, XV, 181 p. (Forensic Science and Medicine) Softcover
32.95 €

Atlas of Ultrasound- and Nerve Stimulation-Guided Regional Anesthesia

There are few situations in anesthesia where precise anatomic location is more important than in regional anesthesia. But, of course, any anesthesiologist who performs regional on a regular basis is fully aware of the frustration of attempting to locate nerves on a trial and error basis. Ultrasound imaging now enables us to visualize nerves, and this exciting technology offers several distinct benefits over conventional nerve locating techniques. The Atlas of Ultrasound and Nerve Stimulation-Guided Regional Anesthesia illustrates how to use ultrasound technology and nerve stimulation techniques to achieve consistently good results. Throughout the book, ultrasound images are correlated with MRI images to enhance anatomic identification. In addition, peripheral nerve block techniques for upper and lower extremities and the trunk are demonstrated step-by-step. With the luxury of being able to actually see the target nerve and the course of the needle as it approaches that nerve, anesthesiologists can [..]

Features
First book to correlate ultrasound and MR images to help anesthesiologists become familiar with anatomy as it appears on ultrasound. First to combine ultrasound and nerve stimulation-guided techniques. Authors are the most recognized experts on the subject, and Chan and Grau in particular are investigators in recent studies that confirm the benefits of these approaches to regional ultrasound.

Contents
Ultrasound Physics.
- Equipment Selection and Preparation.
- Image Optimization.
- Nerve Stimulation Physics.
- Equipment Selection and Preparation.
- Stimulation Optimization.
- Anatomy for Upper Extremity Nerve Blocks.
- Interscalene Block.
- Supravacular Block.
- Infraclavicular Block.
- Axillary Block.
- Midhumeral Block.
- Elbow Blocks.
- Wrist Blocks.
- Anatomy for Lower Extremity Nerve Blocks.
- Femoral Block.
- Popliteal Block.
- Iliacus Block.
- Psoas Block.
- Ankle Block.
- Anatomy for Truncal Nerve Blocks.
- Paravertebral Block.
- Intercostal Block.

Fields of interest
Anesthesiology; Imaging / Radiology; Ultrasound; Intensive / Critical Care Medicine

Target groups
Anesthesiologists (including residents/fellows), radiologists/radiology residents, emergency physicians, CRNAs (certified registered nurse anesthetists)

Type of publication
Atlas

Due August 2007

2008, Approx. 200 p. Hardcover
139.95 €
ISBN 978-0-387-68158-0
Computed Tomography of the Lung
A Pattern Approach

As a result of the introduction of multidetector CT, very detailed images of the lungs can be obtained in every patient undergoing chest CT. Interpretation of the findings requires good knowledge and understanding of the CT signs of all the more common pulmonary diseases. In the first part of the book, the main appearance patterns of lung disease are described with the help of many colour drawings and high-quality illustrations. This approach will enable the reader to recognise these patterns and to interpret them in order to reach a diagnosis. In the second part, many typical cases are shown which will help the reader in applying what was learned in the first part. This concise, easy to use and didactic book will help the radiologist in training to learn and understand the CT features of lung disease and is also recommended to more experienced specialists wishing to update their knowledge in the field.

Fields of interest
- Imaging / Radiology; Diagnostic Radiology; Neurosurgery; Neurology; Surgical Orthopedics

Target groups
- Radiologists in training, experienced specialists, neuroradiologists and other spine care providers. Its logical structure and extensive, accurate index are specifically designed to ensure ease of use.

Features
- Comprehensive, up-to-date textbook on the imaging of frequently encountered spinal disorders. Richly illustrated. All imaging modalities considered, e.g. plain film, multidetector CT and MRI. Designed to ensure ease of use, with a logical structure and extensive index.

Contents
Emergency Vascular Surgery

A Practical Guide

“Emergency Vascular Surgery” provides detailed guidelines to any physician treating patients with emergency vascular disorders, such as ruptured abdominal aortic aneurysms, acute limb ischemia, vascular trauma, iatrogenic vascular injuries and complications to vascular surgery. It provides an introduction to vascular surgical operations and focuses on how to manage patients from the emergency ward, through the urgent operation and all the way to the immediate postoperative period. Numerous figures illustrate the particular points in vascular techniques and diagnostic problems in the emergency situation.

Features
A practical aid in the emergency situation Brief and easy-to-retrieve information Indispensable for all surgeons dealing with vascular emergencies

Contents

Fields of interest
Surgery; Vascular Surgery; General Surgery; Intensive / Critical Care Medicine; Traumatic Surgery; Emergency Medicine

Target groups
Residents and trainees in vascular surgery, emergency physicians

Type of publication
Monograph

Due June 2007

W. Walz, University of Saskatchewan, Saskatoon, SK, Canada (Ed.)

Patch-Clamp Analysis
Advanced Techniques

Continuing the research of the best-selling first edition, Patch-Clamp Analysis: Advanced Techniques, Second Edition collects three more years of research in the ever-expanding study of the cell membrane. With the latest developments in the “traditional” patch techniques such as whole-cell and single channel as well as perforated patch, fast drug application, loose patch and macropatch techniques, this authoritative second edition updates the standard techniques while introducing three brand new, cutting-edge technical advances in the field. Thorough and timely, Patch-Clamp Analysis: Advanced Techniques, Second Edition is an invaluable resource for neuroscientists attempting to discover and understand the long-hidden complexities of the cell.

Features
Provides readily reproducible, step-by-step protocols that ensure experimental success Describes methods combining patch-clamp with molecular biology and imaging Includes new &nbstate-of-the-art techniques

Contents

Fields of interest
Neurosciences; Neurology; Human Physiology

Target groups
Neuroscientists, physiologists and neurophysiologists, cell and molecular neurobiologists, molecular neuropathologists, experimental neurologists

Type of publication
Contributed volume

Due August 2007

D.H. Wang, Michigan State University, East Lansing, MI, USA (Ed.)

Molecular Sensors for Cardiovascular Homeostasis

Biological homeostasis is maintained via intact function of an array of molecules detecting changes of microenvironments inside and outside of the biological system. These molecules, including cell membrane proteins and ion channels, are intimately involved in a variety of sensory pathways and respond to environmental stimuli, including altered temperature, pH, mechanical and osmotic stress, intra- and extracellular messengers, as well as changes in energy consumption. The book reveals the state-of-the-science of several newly discovered ion channel families and their role in the pathogenesis of cardiovascular diseases. This work offers comprehensive and up-to-date information for a deeper understanding of the relationship between macro- and micro-environments, ion channels, and pathophysiological responses, and for developing novel therapies for treating devastating cardiovascular illnesses.

Features
This title will attract a vast range of readers including scientists and investigators in both academic and industrial fields and clinicians Graduate students will also be interested in buying this book, particularly as there is exponential growth of courses on this subject

Contents
The role of DEG/ENaC ion channels in sensory mechanotransduction.- ASICS function as cardiac lactic acid sensors during myocardial ischemia.- Molecular Components of Neural Sensory Transduction DEG/ENaC Proteins in baro and chemoreceptors.- TRP Channels as Molecular Sensors of Physical Stimuli.- TRPV1 in Central cardiovascular control. Discerning the C-fiber afferent pathway.- TRPV1 as a molecular transducer for salt and water homeostasis.- Functional interaction between ATP and TRPV1 receptors.- TRPV4 and hypotonic stress.- Ion Channels in Shear Stress Sensing in Vascular Endothelium.- [...] 

Fields of interest
Cardiology; Biomedical Engineering; Human Genetics; Molecular Medicine

Target groups
Academic, industry biomedical engineers, cardiovascular researchers, pharmaceutical scientists, geneticists, clinicians in advanced research

Type of publication
Contributed volume

Due May 2007

D. H. Wang, Michigan State University, East Lansing, MI, USA (Ed.)
Neonatal Cranial Ultrasonography

Despite advances in neonatal care, neonatal cerebral injury remains a major cause of morbidity, mortality, and disabilities. Cranial ultrasonography provides information on brain maturation in the (preterm) neonate and enables detection of frequently occurring brain anomalies in this patient group. It can be repeated when necessary. After the introduction of neonatal MRI, cranial ultrasonography has been relatively neglected. While modern textbooks are available on pathological conditions of the neonatal brain, a recent book showing high quality normal ultrasound images is lacking. The current book deals with the basics of neonatal cranial ultrasonography and can be used as a reference-book providing essential information about the procedure and normal ultrasound anatomy.

Features
First book exclusively dealing with the standard cranial ultrasonography procedure and normal cranial ultrasonography images. Survey of the basics of neonatal cranial ultrasonography. Providing essential information for physicians and technicians applying neonatal cranial ultrasonography as the most important neuroimaging technique on the neonatal ward. Obstetricians and obstetric ultrasonographers will find [...] contents

Contents

Fields of interest
Neuroradiology; Pediatrics

Target groups
Neuroradiologists, neonatologists, pediatric radiologists, pediatric neurologists, neuroscientists

Type of publication
Professional book

Due September 2007

Pediatric Critical Care Medicine

"Pediatric Critical Care Medicine" spans two volumes, with major sections dedicated to specific organ systems. Each major section consists of separate chapters dedicated to reviewing the specific disease processes affecting each organ system. Each chapter concludes with a comprehensive list of references, with brief, concise remarks denoting references of 'special interest' and 'of interest'. Consequently, the book is unique in its comprehensive coverage of pediatric critical care and its ease of use, and will be of value to those studying towards pediatric critical care examinations and those who are already qualified.

Features
The most comprehensive textbook of pediatric critical care medicine. First ostensibly evidence-based pediatric critical care textbook

Contents
Section I The Practice of Pediatric Critical Care Medicine. - Section II The Science of Pediatric Critical Care Medicine. - Section III Resuscitation and Stabilization of the Critically Ill Child. - Section IV The Respiratory Tract in Critical Illness and Injury. - Section V The Cardiovascular System in Critical Illness and Injury. - Section VI The Central Nervous System in Critical Illness and Injury. - Section VII The Gastrointestinal Tract in Critical Illness and Injury. - Section VIII The Endocrine System in Critical Illness and Injury. - Section IX Fluids and Electrolytes in Critical Illness [...] Fields of interest
Intensive / Critical Care Medicine; Pediatrics

Target groups
Clinicians and students of critical care, all who work with children on pediatric intensive care or general wards

Type of publication
Graduate/advanced undergraduate textbook

Due July 2007

2007. XXII, 2176 p. 597 illus., 50 in color. Hardcover

169,95 €

Blood Pressure Monitoring in Cardiovascular Medicine and Therapeutics

In this newly updated second edition of Blood Pressure Monitoring in Cardiovascular Medicine and Therapeutics, William B. White, MD, and a panel of highly experienced clinicians critically review every aspect of out-of-office evaluation of blood pressure, including home and ambulatory pressure, the relationship between whole-day blood pressure and the cardiovascular disease process, and the effects of numerous antihypertensive therapies on these blood pressure parameters. The world-class opinion leaders writing here describe the significant advances in our understanding of the circadian pathophysiology of cardiovascular disorders and demonstrate that ambulatory blood pressure values are independent predictors of cardiovascular morbidity and mortality.

Contents
Cardiology; Pharmacology/Toxicology; Internal Medicine; Nephrology

Target groups
Cardiologists, pharmacologists, nephrologists

Type of publication
Contributed volume

Due August 2007

Originally published in the series: Contemporary Cardiology

2007. Approx. 487 p. 82 illus. (Clinical Hypertension and Vascular Diseases) Hardcover

76,95 €
Cancer stem cells were originally identified in leukemia and in several other solid tumor types. They have very different properties from the bulk of the tumor, as they divide much more slowly and have very efficient drug-resistance mechanisms. Current treatments might largely spare cancer stem cells, thus leading to tumor recurrence and metastasis. The recent identification of growth and differentiation pathways responsible for cancer stem cell proliferation and survival will help in the discovery of novel therapeutic targets. Developing selective drugs against cancer stem cells offers great therapeutic opportunities but also provides major challenges regarding preclinical models, therapeutic windows, and clinical study end points.

**Features**
- Recent developments in the emerging field of cancer stem cells
- Possible impact for the identification of novel treatment paradigms for cancer

**Fields of interest**
- Cancer Research; Oncology; Human Genetics

**Target groups**
- Scientists and Clinicians involved in cancer research

**Type of publication**
- Proceedings

**Due September 2007**

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Cancer Stem Cells

Novel Concepts and Prospects for Tumor Therapy

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Cardiovascular Medicine

Cardiovascular Medicine, 3rd edition offers the most up-to-date, user-friendly guidance on the evaluation, diagnosis and medical and surgical treatment of heart and vascular disease and will be relevant to the practice of every cardiologist, cardiac surgeon, vascular surgeon, diabetologist, radiologist and any physician who manages cardiac patients. Drs Willerson, Cohn, Wellens and Holmes – and over 150 world authorities – offer their decades of scientific and clinical experience. The book and DVD are designed to provide comprehensive coverage of every aspect of cardiovascular medicine from cardiac signs and symptoms and the full range of cardiac imaging techniques through management of peripheral vascular disease and the genetic basis for cardiovascular disease to preventive cardiology. DVD content: Video imagery for selected chapters; Full text of the book; Interactive narrated heart sounds database containing correlative videos and images

**Features**
- Cardiovascular medicine from basic science to bedside
- Comprehensive, detailed, illuminating major topics
- Revised or rewritten including key points of emphasis
- New chapters in developing areas of cardiology
- Expert review of the major clinical guidelines
- Contributors all world-class cardiovascular experts
- DVD includes a wealth of video and an huge collection of heart sounds
- Extensive use of [...] ( [...] )

**Contents**
- Section 1 - Introduction: Cardiac Signs and Symptoms and Selected Noninvasive Diagnostic Methods (8 Chapters).
- Section 2 - Congenital Heart Disease in the Adult: (5 Chapters).
- Section 3 - Valvular Heart Disease: (11 Chapters).
- Section 4 - Coronary Artery Disease: (26 Chapters).
- Section 5 - Basic Aspects of Myocardial Function, Growth, and Development: (5 Chapters).
- Section 6 - Myocardial Disease: (13 Chapters).
- Section 7 - Pericardial Disease: (2 Chapters).
- Section 8 - Vascular Disease: (21 Chapters).
- Section 9 - Electrical Disturbances of the Heart: (14 Chapters).
- Section 10 - Invasive methodology in the cardiovascular system

**Fields of interest**
- Cardiology; Internal Medicine; Cardiac Surgery; Angiology; Imaging / Radiology

**Target groups**
- Internists, family physicians, and medical specialists

**Type of publication**
- Reference work

**Due April 2007**

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Eliminating Healthcare Disparities in America

Beyond the IOM Report

In Eliminating Healthcare Disparities in America, Dr. Richard Allen Williams assembles the very best scholars on healthcare disparities to raise the public consciousness of this issue. These experts provide the benefits of their experience and expertise as a resource for helping others to make judicious determinations about how to proceed in efforts to improve the disparities in American healthcare. Arranged into discrete categories, this volume contains comprehensive coverage, both historical and current, of the healthcare disparity crisis currently plaguing our country in hopes of leading us all to a brighter future. The volume includes chapters of examples that are currently working and concludes with recommendations on how to move forward. The text is not intended to be one in which all of the answers are given to the multitude of problems. Instead, Eliminating Healthcare Disparities in America is intended to raise the reader’s level of consciousness and concern and to increase the knowledge [...] ( [...] )

**Features**
- Chapters written by the best scholars of healthcare disparities
- Conveniently divided into sections that address the history of disparities, approaches to change, and what’s currently working

**Contents**

**Fields of interest**
- Theory of Medicine/Bioethics; General Practice / Family Medicine; Internal Medicine; Quality of Life Research; Cardiology; Medicine, general

**Target groups**
- Internists, family physicians, and medical specialists

**Type of publication**
- Contributed volume

**Due September 2007**

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Beyond the IOM Report

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Beyond the IOM Report

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The ASCRS Textbook of Colon and Rectal Surgery

The ASCRS Textbook of Colonrectal Surgery is the first official textbook of the American Society of Colon and Rectal Surgeons (ASCRS) (www.ascrs.org) that adheres to the principals of evidence-based practice and utilizes ASCRS practice parameters. Written by top experts in the specialty, each chapter correlates with the core curriculum developed by the Program Director’s Association in Colorectal Surgery. Chapters include Anatomy, Physiology, Genetics, Diagnostic Evaluation, and Perioperative Management. In addition, a ground-breaking online component is updated periodically with new information for the busy surgeon. A distinguished editorial group includes Dr. James Fleshman, Dr. David Beck, Dr. Steven Wexner, Dr. Bruce Wolff, and Dr. John Pemberton. There are also five associate editors who bring their expertise and experience to the textbook: Dr. Julio Garcia-Aguilar, Dr. James Church, Dr. Patricia Roberts, Dr. Rob Madoff, and Dr. Ted Saclarides. With 56 chapters and over 380 illustrations, [...]

Contents

Fields of interest
Colorectal Surgery; Gastroenterology; General Surgery

Target groups
Colorectal surgeons, fellows in Colorectal Surgery; general surgeons, residents in General Surgery

Type of publication
Undergraduate textbook

Due April 2007

Pediatric Rheumatology in Clinical Practice

Pediatric Rheumatology in Clinical Practice is authored by a trio of experts from the UK, US and Canada. The book presents the physician with key points and summary boxes about various symptoms, making the book a useful quick reference guide. 79 illustrations, most of them in color, enhance the text. Pediatric Rheumatology in Clinical Practice will be of particular interest to rheumatologists in practice, residents on rotation through the rheumatology clinic, primary care physicians, hospital doctors, as well as to senior nursing staff.

Features
Well illustrated in colour, with key points and summary boxes helping to make the book a quick reference guide

Contents

Fields of interest
Rheumatology; Pediatrics; Internal Medicine

Target groups
Rheumatologists in practice, residents on rotation through the rheumatology clinic, primary care physicians, hospital doctors, senior nursing staff

Type of publication
Professional book

Due June 2007

2007. VIII, 192 p. Softcover

34,95 €

Cartilage Repair Strategies

Cartilage Repair Strategies is a comprehensive update of the present state of cartilage repair and regeneration. The information in this volume addresses what methods are effective, what methods are safe, and what methods will lead to an alteration in the short history of articular cartilage injury repair. Contributors present examinations of a variety of topics including the structure and function of articular cartilage, the evaluation of cartilage repair techniques, and the latest cartilage sensitive imaging techniques. Several chapters anticipate new and emerging cartilage repair techniques – such as second generation ACL resorbable scaffold-based repair, and arthroscopically performed cartilage transplantation – and include descriptions of the rationale and application of these procedures. Leading experts present updates on current and emerging methodologies, making Cartilage Repair Strategies a unique and essential reference.

Features
20 chapters cover proven and emerging procedures and methodologies. Includes an update on rehabilitation strategies after cartilage repair

Contents

Fields of interest
Orthopedics; Minimally Invasive Surgery; Rehabilitation Medicine; Surgical Orthopedics; Surgery

Target groups
Orthopedic surgeons, musculoskeletal practitioners, primary care physicians, physical therapists

Type of publication
Contributed volume
Cardiac Gene Expression

Methods and Protocols

Cardiac Gene Expression: Methods and Protocols presents both cutting-edge and established methods for studying cardiac gene expression. The protocols provide a template for solid research, and cover the process through screening, analysis, characterization, and functional confirmation of novel genes or known genes with a new function. Section I, Cardiac Gene Expression Profiling: The Global Perspective, discusses several different approaches to examining, identifying, and analyzing changes in transcriptome gene expression. Section II, Cardiac Gene Regulation: Gene-Specific mRNA Measurement in the Myocardium, outlines more sensitive and gene-targeted expression methods. Section III, Cardiac Gene Regulation: Promoter Characterization in the Myocardium, provides protocols for the study of underlying gene regulation mechanisms by focusing on the interaction of transcription factors with their cognate cis binding elements. Section IV, In Silico Assessment of Regulatory cis-Elements and Gene Regulation, [...]

Features

- Resources for the analysis of gene regulation data and SNPs
- Comparative genomic approach for functionally annotating human DNA
- Quantitative, real-time RT-PCR in cardiovascular research
- In silico analysis of SNPs and other high-throughput data
- Conditional targeting in the myocardium

Contents

- Microarray Analysis of Gene Expression in Murine Cardiac Graft Infiltrating Cells
- Expression Profiling Using Affymetrix GeneChip, Probe Arrays
- Serial Analysis of Gene Expression (SAGE): A Useful Tool to Analyze the Cardiac Transcriptome
- Functional Genomics by cDNA Subtractive Hybridization
- Statistical Methods in Cardiac Gene Expression Profiling: From Image to Function
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- Quantitative Real-Time RT-PCR in Cardiovascular Research
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Fields of interest

- Human Genetics; Cardiology; Bioinformatics

Target groups

- Cardiologists, molecular biologists, bioinformaticians, genetic engineers

Type of publication

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Microtubule Protocols

Microtubules are essential components of the cytoskeleton, and play critical roles in a variety of cell processes, including cell shaping, intracellular tracking, cell division, and cell migration. Microtubule Protocols presents a comprehensive collection of essential and up-to-date methods for studying both the biology of microtubules and the mechanisms of action of microtubule-interacting drugs. The straightforward presentation of readily reproducible protocols is a hallmark of the Methods in Molecular Medicine™ series, and is evident in this volume. Methods presented range from the purification and characterization of microtubule proteins, analysis of post-translational modifications of tubulin, and determination of microtubule structure, to the visualization of microtubule and spindle behavior, measurement of microtubule dynamics, and examination of microtubule-mediated cellular processes. Both basic scientists and clinical researchers will benefit from this collection of state-of-the-art [...]

Features

- Includes methods for the development and discovery of novel agents that target microtubules
- Includes readily reproducible protocols, tips for troubleshooting, and advice on avoiding common mistakes

Contents

1. (Review) Microtubules: An Overview
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5. Studying the Structure of Microtubules by Electron Microscopy
6. Fluorescence Microscopy of Microtubules in Cultured Cells
7. (Review) Measurements of Stathmin-Tubulin Interaction in Solution
8. Analysis of Microtubule Dynamics by Polarized Microscopy

Fields of interest

- Cell Biology; Medicinal Chemistry; Cancer Research

Target groups

- Pharmaceutical researchers, cancer researchers, geneticists, immunologists, molecular and cell biologists

Type of publication

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