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Anesthesiology
Clinical Case Reviews
L. S. Aglio, Harvard Medical School, Boston, MA, USA; R. D. Urman, Harvard Medical School, Brigham and Women’s Hospital, Boston, Lexington, MA, USA (Eds)

Divided into twelve sections that cover the entirety of anesthetic practice, this is a case-based, comprehensive review of anesthesiology that covers the basics of anesthetic management and reflects all new guidelines and recently developed standards of care. [...] 

Contents

Anesthesia for Cesarean Section
G. Capogna, Città di Roma Hospital, Rome (Ed)

This book examines every aspect of anesthetic in patients undergoing cesarean section. Anesthetic and surgical techniques are clearly described, with detailed guidance on indications and contraindications and identification of potential complications. [...] 

Contents
History of cesarean section.- Epidemiology, indications, contraindications and surgical techniques.- Selection of anesthetic methods.- Spinal anesthesia (drugs - technique).- Epidural and CSE anesthesia (drugs - technique).- Assessing the anesthetic block.- General anesthesia (drugs - technique).- Effects on the fetus, neonate and breastfeeding.- Choice of anesthesia for emergency cesarean section.- Surgical complications.- Complications due to anesthesia (general and regional).- Postoperative analgesia.- Long term problems and chronic pain.- Humanization of cesarean section. [...] 

Basic Sciences in Anesthesia
E. Farag, Cleveland Clinic Lerner College of Medicine, Case Western University, Cleveland, OH, USA; M. Argalious, Cleveland Clinic Lerner College of Medicine, Cleveland, OH, USA; J. E. Tetzlaff, Cleveland Clinic Lerner College of Medicine, Cleveland, OH, USA; D. Sharma, Harborview Medical Center, SEATTLE, WA, USA (Eds)

This textbook presents the most recent evidenced-based knowledge in basic sciences in anesthesia. It covers topics from the syllabus of the American Board of Anesthesiology (ABA) basic science exam, including anatomy, pharmacology, physiology, physics in anesthesia, and more. [...] 

Contents

Series Title
Medical Textbooks
Anesthesia in High-Risk Patients

J. Fellahi, Louis Pradel Hosp, Hospices Civils Lyon, Lyon; M. Leone, Hôpital Nord, Marseille cedex 20 (Eds)

This book describes the approach to anesthetic and perioperative management in different categories of high-risk patient scheduled to undergo elective noncardiac surgery. Individual sections focus on patients with conditions entailing cardiac and hemodynamic risks, respiratory risks, renal and metabolic risks, neurological risks, and other forms of risk. […]

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Multiple Choice Questions in Pain Management

R. Gupta, 6 Byron Court, Barnet, London, UK

This book presents current clinical knowledge relating to key topics in acute and chronic pain in a multiple choice question (MCQ) format. […]

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Challenging Topics in Neuroanesthesia and Neurocritical Care

Z. H. Khan, Tehran University of Medical Sciences, Tehran, Iran (Ed)

This book focuses on controversial issues in neuroanesthesia and neurocritical care that in general have been subjected to insufficient professional scrutiny. The book is in three parts, the first of which is devoted to topics relating to traumatic brain and spinal cord injury, such as brain tissue oxygenation, the role of biomarkers, and diagnosis of brain death. […]

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Essential Echocardiography

Transesophageal Echocardiography for Non-cardiac Anesthesiologists

T. M. Maus, University of California San Diego, San Diego, CA, USA; S. Nhieu, The Texas Heart Institute at Baylor St. Luke's Medical Center, Houston, TX, USA; S. T. Herway, University of California San Diego Medical Center, San Diego, CA, USA (Eds)

Covering both transesophageal echocardiography (TEE) and transthoracic echocardiography (TTE), this book fills the need of accessible information for the practitioner seeking a basic level of familiarity with TEE and TTE in the perioperative management of the surgical patient. [..]

Contents


Anesthesia and Neurotoxicity

Y. Morimoto, Hokkaido University Graduate, School of Medicine, Sapporo, Japan (Ed)

This book, written by leading Japanese experts in the field, describes the latest findings on the neurotoxicity of anesthetics for the developing brain, postoperative delirium and cognitive dysfunction. It describes the risk factors for postoperative cognitive dysfunction in elderly surgical patients. [..]

Contents

Part I Neurotoxicity of the Anesthetics for Developing Brain.- Chapter 1 Laboratory Findings: To What Degree Can We Extrapolate the Animal Data to the Bedside?.- Chapter 2 Clinical Findings Including Prevention and Treatment.- Chapter 3 Implications for Pediatric Anesthesia.- Part II Postoperative Delirium and Cognitive Dysfunction.- Chapter 4 Present Clinical Status of Postoperative Delirium (POD).- Chapter 5 Present Clinical Status of Postoperative Cognitive Dysfunction in Cardiovascular Surgery. [..]

Distracted Doctoring

Returning to Patient-Centered Care in the Digital Age

P. J. Papadakos, University or Rochester, Pittsford, NY, USA; S. Bertman, West Bloomfield, MI, USA (Eds)

Examining-room computers require doctors to record detailed data about their patients, yet reduce the time clinicians can spend listening attentively to the very people they are trying to help. [..]

Contents

This book discusses, explains and provides detailed, up-to-date information on physics applied to clinical practice in anesthesiology, with the aid of simple examples from daily life. Almost everything that happens around us, including in the operating room and intensive care units, can be explained by physical laws.

Contents

Data Interpretation in Anesthesia
A Clinical Guide
T. D. Raj, Chairman of Anesthesia Alliance Health Midwest, Midwest City, OK, USA (Ed)

Focusing on the interpretation of data commonly available to anesthesiologists, this book presents a data point, followed by discussion in a question and answer format. [...] Contents

Point-of-Care Tests for Severe Hemorrhage
A Manual for Diagnosis and Treatment
M. Ranucci, IRCCS Policlinico San Donato, San Donato Milanese; P. Simioni, University of Padua Medical School, Padua (Eds)

This book is a rich source of information on point-of-care (POC) tests for the diagnosis and treatment of severe hemorrhage, including thromboelastography, thromboelastometry, heparin monitoring systems, and platelet function analyzers (Multiplate, PFA-100, VerifyNow, etc.). The opening chapters focus on the pathophysiology of coagulation and the general characteristics of POC devices. [...] Contents
Transesophageal echocardiography (TEE) is a valuable diagnostic modality now routinely used during cardiac surgery and in the intensive care unit. Increasingly, anesthesiologists, cardiologists and critical care physicians trained in TEE provide the service in both settings where they face the challenge of integrating numerous current TEE guidelines into day-to-day practice. [...]
Protocols and Methodologies in Basic Science and Clinical Cardiac MRI
C. Constantinides, BMRU, Oxford (Ed)

This book focuses on the practical issues of the implementation of state-of-the-art acquisition methodologies and protocols for both basic science and clinical practice. It is a practical guidebook for both beginners and advanced users for easy and practical implementation of acquisition protocols. [...]

Contents
The Role of MRI in Preclinical and Clinical Functional Quantification and Modelling.- Quantification of Regional Ventricular Wall Motion in Laboratory Animals.- Diffusion MRI and Tractography.- Myocyte Metabolic Imaging with Hyperpolarised MRI.- Preclinical Cardiac in Vivo Spectroscopy.- Cardiac Multinuclear Imaging.- Cardiac Magnetic Resonance Elastography.- Molecular Imaging of Atherosclerosis.- Compressed Sensing and Beyond.- MR Flow and Quantification.- Myocardial Viability in Ischaemic Heart Disease.- Congenital Heart Disease. [...]

Pulmonary Hypertension in Adult Congenital Heart Disease
K. Dimopoulos, Royal Brompton Hospital and Imperial College, London, UK; G. Diller, University Hospital, Münster (Eds)

This book is intended as a comprehensive, practically oriented reference on pulmonary hypertension within the context of adult congenital heart disease (ACHD). After an introductory chapter on pathophysiology, the various types of pulmonary hypertension that may be encountered in ACHD are discussed, highlighting the specifics observed within different patient categories. [...]

Contents
Part 1: Pathophysiology and Classification of Pulmonary Hypertension in Adult Congenital Heart Disease.- 1. Congenital Heart Defects and Pulmonary Hypertension: The Heath Edwards Paradigm.- 2. Definition and Classification of Pulmonary Hypertension in Congenital Heart Disease.- 3. Eisenmenger Syndrome: Pathophysiology and Hematologic Effects.- 4. PAH in Patients with Persistent Systemic-Pulmonary Shunts and PAH in Patients with Small Cardiac Defects. [...]

Physiological Assessment of Coronary Stenoses and the Microcirculation
J. Escaned, Cardiovascular Institute Hospital Clínico San Carlos, Madrid, Spain; J. Davies, National Heart & Lung Institute, London, UK (Eds)

Since the introduction of coronary angiography, a key technique in understanding coronary artery disease, a number of paradigms regarding its study and interpretation have taken place. [...]

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Essentials of Hypertension

The 120/80 paradigm

F. D. Fuchs. Hospital de Clinicas de Porto Alegre Cardiologia, Porto Alegre, Brazil

The main purpose of this book is to select and present the most essential information about hypertension. It aims to select all the more relevant data to guide the attitudes to prevent, diagnose, and treat hypertension. Hypertension accounts for more than 50% of deaths from stroke and ischemic heart disease worldwide. [...]

Contents

Risks of high BP and goals of treatment.- Pathogenesis.- Diagnosis and evaluation.- Prevention and treatment.

Heart Failure Management: The Neural Pathways

E. Gronda, IRCCS MultiMedica, Sesto San Giovanni, Milan; E. Vanoli, IRCCS MultiMedica, Sesto San Giovanni, Milan; A. Costea, University of Cincinnati, Cincinnati, OH, USA (Eds)

This book describes the most recent insights into heart failure and the role played by autonomic nervous system pathophysiology in it, discussing the therapeutic implications. [...]

Contents

PART I CURRENT HEART FAILURE THERAPIES 1 Therapies in heart failure, tomorrow may be too late.- 2 Atrial fibrillation, heart failure and the autonomic nervous system.- 3 Current therapies for ventricular tachycardia. Are there autonomic implications of the arrhythmogenic substrate?- PART II THE AUTONOMIC REGULATION AND DIS-REGULATION OF THE HEART: PATHOPHYSIOLOGY IN HEART FAILURE 4 “The autonomic Nervous system symphony orchestra”: Pathophysiology of Autonomic Nervous system and Analysis of Activity Frequences. [...]
Coronary Imaging and Physiology
M. Hong, Severance Cardiovascular Hospital, Seoul (Ed)

This book is intended as a guide for all cardiologists who are interested in coronary imaging and physiology, a sound understanding of which is vital for the optimal performance of appropriate coronary interventions. The basics of each relevant modality are presented, with clear explanation of clinical utility and evaluation of the evidence regarding clinical outcomes. […]

Contents

Hypertension and Cardiac Organ Damage
R. Izzo, University of Naples Federico II, Naples

This book identifies the key determinants in the management of hypertensive outpatients with Cardiac Target Organ Damage. It sheds light on current international guidelines by directly applying them to six representative clinical cases that reflect situations frequently encountered during clinical routine rather than emergencies or rare occurrences. […]

Contents

Series Title
Practical Case Studies in Hypertension Management
Cardiac Arrhythmias, Pacing and Sudden Death

P. Kowey, Jefferson Medical College, Philadelphia, PA, USA; J. C. Piccini, Duke University Medical School, Durham, NC, USA; G. Naccarelli, Penn State Hershey Heart and Vascular Institute, Hershey, PA, USA; J. A. Reiffel, Columbia University Medical Center, New York, NY, USA (Eds)

This book provides up-to-date, user-friendly and comprehensive guidance on the evaluation, diagnosis, and medical and surgical treatment of cardiac arrhythmias. This ensures that this title aids every trainee and practising cardiologist, cardiac electrophysiologist, cardiac surgeon, vascular surgeon, diabetologist, cardiac radiologist and any physician who manages cardiac patients. [...] 

Contents
Basic Electrophysiology.- Pathophysiology of Atrial Fibrillation.- Genomics of cardiac arrhythmias.- Channelopathies: Clinical Presentation and Genetics.- Extended ECG monitoring.- Sudden Cardiac Death: Methods of Risk Prediction.- Electrophysiologic Testing and Cardiac Mapping.- Antiarrhythmic Drug Management of Atrial Fibrillation.- Anticoagulants for atrial fibrillation.- Cardiac pacemakers. [...] 

Series Title
Cardiovascular Medicine

Acute Heart Failure
Putting the Puzzle of Pathophysiology and Evidence Together in Daily Practice

W. Krüger, Medizinische Universitätsklinik, Aarau

Acute heart failure is a potentially life threatening situation where correct, rapid therapy can save lives. Information from the latest research and studies has been used to update this text to bring the latest understanding of the pathophysiology together with a practical guide to diagnosis and management using an evidenced based approach. [...] 

Contents
Foreword.- Cardiac physiology of acute heart failure syndromes.- Acute heart failure syndromes.- Cardiogenic shock.- Acute right heart failure.- Heart failure with normal left ventricular ejection fraction (HFNEF).- Pulmonary hypertension (PH) in left heart disease (LHD - PH).- Cardiorenal syndrome (CRS).- Abbreviations.

Series Title
Medical Textbooks

Textbook of Catheter-Based Cardiovascular Interventions
A Knowledge-Based Approach

P. Lanzer, Middle German Heart Center, Bitterfeld-Wolfen (Ed)

This book is a fully updated and revised second edition of a highly successful text in which a new concept of knowledge mining, based on explication and transfer of interventional knowledge of experts, has been implemented. [...] 

Contents

Series Title
Medical Textbooks
This concise and handy manual provides straightforward, up-to-date guidance for cardiologists and other practitioners on the management of cancer patients with cardiac problems, whether they be due to the cancer itself or to antineoplastic treatment. Detailed attention is devoted to the various forms of cardiotoxicity associated with chemotherapy and radiotherapy. [...]

Contents
PART I – INTRODUCTORY ASPECTS
1 Epidemiology of cancer: prevalence, incidence of neoplastic diseases and trends in survival in Europe.- 2 Cancer, heart diseases and common risk factors: Smoke.- 3 Cancer, heart diseases and common risk factors: Diet and Physical activity.- PART II – CARDIAC PROBLEMS AS A CONSEQUENCE OF CANCER
4 Thromboembolic disorders as a consequence of cancer.- 5 Arrhythmias and electrolyte imbalances as consequences of cancer. [...]
Clinician’s Manual Treatment of Hypertension

Fourth Edition

F. H. Messerli, Mount Sinai Health Medical Center Icahn School of Medicine, New York, NY, USA; S. Rimoldi, University of Bern Medical School, Bern

This comprehensive pocketbook provides a foundation in best-practice guidance screening, assessing, treating, and monitoring patients with hypertension, with reference to up-to-date clinical guidelines. Prevention strategies and recent drug developments are also highlighted, including the most exciting and relevant treatment advances in the past 5 years. […]

Contents
Definition of hypertension.- The J curve.- Drug therapy or lifestyle modification?.- First-line antihypertensive therapy: the simplistic viewpoint.- Hypertension as a gateway to cardiovascular risk modification.- To twofer or not to twofer.- When initial therapy is insufficient – To up titrate, to substitute, or to combine?.- How aggressively should blood pressure be lowered?.- Evidence-based versus eminence-based therapy.- Combination therapy.- Comorbid conditions.- Therapeutic challenges.- Fashions and fads.

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Hypertension and Renal Organ Damage

R. Pontremoli, University of Genoa, Genoa

This book guides readers through a wide spectrum of clinical presentations in patients with arterial hypertension and different degrees of renal impairment, ranging from asymptomatic urine abnormalities to end stage renal disease. […]

Contents
Clinical case 1: Adult Patient with Hypertension and Reduced Glomerular Filtration Rate.- Clinical case 2: Adult Patient with Hypertension and Microalbuminuria.- Clinical case 3: Adult Patient with Hypertension and Mild Proteinuria.- Clinical case 4: Adult Patient with Hypertension and Overt Proteinuria.- Clinical case 5: Adult Patient with Hypertension and End-stage Renal Disease.- Clinical case 6: Adult Patient with Hypertension and Dialysis.

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Psychological, Emotional, Social and Cognitive Aspects of Implantable Cardiac Devices

R. Proietti, University of Swansea, Swansea, UK; G. M. Manzoni, eCampus University Faculty of Psychology, Novedrate (Como); G. Pietrabissa, Università Cattolica del Sacro Cuore, Milano; G. Castelnovo, Università Cattolica del Sacro Cuore, Milano (Eds)

Electrical therapy of the heart has rapidly evolved over recent years with the development of the cardiac implantable defibrillator and the application of the cardiac resynchronization therapy to improve performance of the congestive failed heart. There is an impressive amount of literature produced to assess the efficacy and effectiveness of the electrical therapy. […]

Contents
Cognitive function in patients with congestive heart failure.- Heart brain connection in patients with ischemic heart disease.- Neurovegetative system and congestive heart failure.- Cognitive performance in the elderly.- Evolution and principle of pacing devices.- Hemodynamic performance of cardiac devices.- Impact of cardiac devices on QoL.

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Early Repolarization Syndrome
Etiology and Therapeutics
W. Shimizu, Nippon Medical School, Tokyo, Japan (Ed)

This book presents the latest findings on early repolarization syndrome (ERS). Readers will find essential information on ERS with regard to its etiology, epidemiology, clinical diagnosis and manifestation, genetic background, and risk stratification, as well as the relationship between ERS and Brugada syndrome. Further chapters discuss pharmacological and non-pharmacological therapies. [...] Contents


Practical Manual of Tricuspid Valve Diseases
O. I. Soliman, The Thoraxcenter, Erasmus MC: University Medical Center Rotterdam, Rotterdam, The Netherlands; F. J. ten Cate, The Thoraxcenter, Erasmus MC: Univ. Medical Center Rotterdam, Rotterdam, The Netherlands (Eds)

This book provides a comprehensive overview of tricuspid valve disease and an overview of different therapeutic options such as surgical and percutaneous approaches, current clinical trials and registries in the field of tricuspid valve disease. The book has an educational goal with key messages highlighted at the end of each chapter to assist comprehension of the often complex concepts. [...] Contents

PART 1 Anatomical and pathological perspective.- 1 Anatomy of the mitral apparatus.- 2 Mitral stenosis.- 3 Mitral regurgitation: Epidemiology, etiology and pathophysiology.- 4 Mitral regurgitation: diagnosis and timing of intervention.- 5 Computed tomography imaging for mitral valve regurgitation.- 6 Access sites alternatives for transcatheter mitral interventions. 7. Transcatheter repair of mitral regurgitation: Mitraclip.- 8 Transcatheter repair of mitral regurgitation: Valtech. [...]
Hypertension and Organ Damage
A Case-Based Guide to Management
G. Tocci, Univ. of Rome Sapienza Sant’Andrea Hospital, Rome

This book is designed to assist physicians in choosing among diagnostic procedures and therapeutic options when caring for patients with hypertension and markers of organ damage. The comprehensive description of practical clinical cases sets this book apart from other publications and will help the reader to transfer general guideline recommendations to the clinical setting. [...] 

Contents
Case 1 Patient with essential hypertension and left ventricular hypertrophy.- Case 2 Patient with essential hypertension and diastolic dysfunction.- Case 3 Patient with essential hypertension and microalbuminuria.- Case 4 Patient with essential hypertension and proteinuria.- Case 5 Patient with essential hypertension and atherosclerosis.- Case 6 Patient with essential hypertension and high pulse pressure.

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Cases in Structural Cardiac Intervention
A. Varghese, London; N. Uren, Royal Infirmary of Edinburgh, Edinburgh, UK; P. Ludman, Queen Elizabeth Hospital, Birmingham, UK (Eds)

Multimodality cardiovascular imaging is essential for interventional cardiac procedures and both fields are evolving rapidly. Multimodality Imaging in Cardiac Interventions captures the current state of clinical utility and provides a unique visual aide for teaching, training, and education. [...] 

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Cancer and Cardiovascular Disease
A Concise Clinical Atlas
S. W. Yusuf, University of Texas MD Anderson Cancer Center, Houston, TX, USA; J. Banchs, University of Texas MD Anderson Cancer Center, Houston, TX, USA (Eds)

The atlas provides a clear, concise, yet comprehensive review of common cardiovascular diseases occurring in patients with cancer. Cancer and cardiovascular disease are the two most common conditions worldwide. [...] 

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The Arrhythmic Patient in the Emergency Department
**A Practical Guide for Cardiologists and Emergency Physicians**

M. Zecchin, Cattinara University Hospital, Trieste; G. Sinagra, Cattinara University Hospital Cardiovascular Department, Trieste (Eds)

This book is a practical guide to the differential diagnosis and treatment of patients presenting in the Emergency Department with syncope or arrhythmias, including bradyarrhythmias, atrial fibrillation, narrow and wide QRS tachycardias. 

Contents
1 Introduction.- 2 Management of arrhythmic patients in ED: general principles.- 3 Syncope: first evaluation and management in ED.- 4 Bradyarrhythmias.- 5 Narrow QRS tachyarrhythmias.- 6 Atrial flutter and fibrillation.- 7 Wide QRS tachycardias.- 8 Acute management of arrhythmias in patients with known congenital heart disease and channelopathies.- 9 Acute management of patients with arrhythmias and non-cardiac diseases.- 10 Drug abuse and intoxication.- 11 Pacemaker malfunction: is it real?- 12 Management of the electrical storm in patients with ICD. [...] 

Transradial Approach for Percutaneous Interventions
**Y. Zhou**, Beijing, China; **F. Kiemeneij**, Amsterdam, The Netherlands; **S. Saito**, Kanagawa, Japan; **W. Liu**, Beijing Anzhen Hospital, Beijing, China (Eds)

This book outlines the state of the art in transradial intervention and illustrates case-based learning for the transradial access (TR access) technique, especially in complex lesions. Offering a practical guide, it includes essential tips and tricks on how to overcome anatomical complexities, how to avoid radial complications, multiple case-based learning for very complex PCI, etc. [...] 

Contents
History and current perspective of transradial intervention.- Transradial and transfemoral intervention.- Transradial puncture.- Complications of transradial procedures.- Basic of transradial intervention.- Transradial PCI for Complex lesions.- Transradial approach for STEMI.- Transradial approach for calcified and tortuous lesions.- Transradial approach for left main lesions.- Transradial approach for bifurcation lesions.- Transradial approach for Chronic total occlusion.- Transradial approach for prior CABG artery.- Circulatory support in transradial intervention. [...] 

Materia Medica of New and Old Homeopathic Medicines
**D. S. Riley**, Portland, OR

David S. Riley’s interest in the history, methodology and results of homeopathic drug provings began with his exposure to homeopathy in 1988 and his later study at the Hahnemann College of Homeopathy in Albany, California. [...] 

Contents
Multi-Modality Neuroimaging Study on Neurobiological Mechanisms of Acupuncture

J. Tian, Institute of Automation, Beijing, China (Ed)

This book introduces essential advances in acupuncture studies using multi-modality neuroimaging, which provides insights into how specific brain networks are involved in acupuncture effects in humans. [...] 

Contents
- Early Studies of acupuncture using fMRI.
- Temporospatial encoding of acupuncture’s effects in the brain.
- Targeting mechanisms of typical indications of acupuncture.
- Findings of acupuncture mechanisms using EEG and MEG.
- Prospects of acupuncture research in the future.

Monitoring Mechanical Ventilation Using Ventilator Waveforms

J. Arnal, Hopital Sainte Musse Service de Reanimation Polyvalente, Toulon

This book discusses the interpretation of mechanical ventilator waveforms. Each page shows a screenshot from a real patient and explains one or two messages. It starts with basic information about the waveforms and goes on to address passive and spontaneous ventilation, non-invasive ventilation and specific measurements such as pressure-volume curves and esophageal pressure. [...] 

Contents
- Basics.
- Controlled ventilation modes.
- Passive expiration.
- Spontaneous ventilation modes.
- Non invasive ventilation.
- PV curves.
- Esophageal pressure curve.
- Responses to test.

Wound Management in Urgent Care

B. Busse, Med 7 Urgent Care, Folsom, CA, USA

This text outlines, from a surgeon’s standpoint, how wounds can be expeditiously and effectively managed in the Urgent Care setting by physicians and mid-level providers with Primary Care training. [...] 

Contents
- Chapter 1: Introduction to Wound Healing
- Chapter 2: Improving Outcomes in Wound Healing
- Chapter 3: Treatment of Acute Wounds: The Basics
- Chapter 4: Selecting Materials for Wound Closure
- Chapter 5: Proper Set-up
- Chapter 6: Suturing Techniques for Wound Closure
- Chapter 7: Specifics of Wound Closure (page 34)
- Chapter 8: Special Circumstances in Wounds
- Chapter 9: Abscess Drainage
- Chapter 10: Burns
- Chapter 11: Chronic Wounds

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Acute Respiratory Distress Syndrome
D. Chiumello, Director of Anaesthesia and Intensive Care Services, ASST Santi Paolo e Carlo, Milan (Ed)

This book covers all clinical aspects of acute respiratory distress syndrome (ARDS), from definition to treatment, focusing on the more recent recommendations and evidence-based medicine. [..]

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Textbook of Rapid Response Systems
Concept and Implementation
M. A. DeVita, Harlem Hospital Center, New York, NY, USA; K. Hillman, South Western Sydney Clinical School, UNSW Sydney, the Ingham Institute for Applied Medical Research and Intensive Care, Liverpool Hospital, Liverpool BC, NSW, Australia; R. Bellomo, Austin Hospital, Heidelberg, VIC, Australia; M. Odell, Royal Berkshire NHS Foundation Trust, Reading, UK; D. A. Jones, Austin Hospital, Heidelberg, VIC, Australia; B. D. Winters, The Johns Hopkins University School of Medicine, Baltimore, MD, USA; G. K. Lighthall, Stanford University School of Medicine, Palo Alto, CA, USA (Eds)

The latest edition of this text is the go-to book on rapid response systems (RRS). [..]

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Mechanical Ventilation in the Critically Ill Obese Patient
A. M. Esquinas, Hospital Morales Meseguer, Murcia; M. Lemyze, Schaffner Hospital, Lens (Eds)

This book is the first to describe a practical evidence-based approach to the management of critically ill obese patients with various medical or postoperative respiratory problems in the intensive care unit. [..]

Contents
Part I. Effects of obesity on respiratory physiology.- Effects of obesity on control of breathing.- Effects of obesity on respiratory mechanics and gas exchange.- Effects of obesity on sleep-disordered breathing.- Implications for mechanical ventilation.- Part II. Causes of acute respiratory failure in the obese patient.- Atelectasis.- Acute respiratory distress syndrome.- Community-acquired pneumonia.- Congestive heart failure.- Abdominal compartment syndrome.- Trauma.- Sleep-disordered breathing.- Drugs and medications. [..]

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Mechanical Ventilation in Critically Ill Cancer Patients
Rationale and Practical Approach
A. M. Esquinas, Hospital Morales Meseguer, Murcia; S. E. Pravinkumar, The University of Texas M.D. Anderson Cancer Center, Houston, TX; A. SOUBANI, Wayne State University School of Medicine, DETROIT, MI, USA (Eds)

This book aims to equip the reader to make optimal decisions on the use of mechanical ventilatory support in critically ill cancer patients with acute respiratory failure (ARF) and to implement the different strategies effectively. [...] 

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Sepsis
G. Ortiz-Ruiz, Universidad del Bosque, Bogota, Colombia; C. Dueñas-Castell, Gestion Salud Universidad de Cartagena Department of Critical Care, Cartagena (Eds)

The new edition of this volume features a concise yet comprehensive review of sepsis. [...] 

Contents

Mechanical Ventilation in Patient with Respiratory Failure
R. A. Pupella, Manila, Philippines

This handbook covers the principles of mechanical ventilation, making them easy to understand and apply in clinical settings. Presented in an accessible style and supplemented by a wealth of illustrations and graphs, it includes chapters on the basic mathematics and physics of ventilation, respiratory anatomy, basic and advanced ventilation modes, and the fundamentals of acid-base balance. [...] 

Contents
Clinical Guide to Accelerated Orthodontics

With a Focus on Micro-Osteoperforations

M. Alikhani, Harvard School of Dental Medicine, Boston, MA, USA (Ed)

This book is a complete reference for all clinicians who are interested in incorporating into their daily practice the techniques available to reduce the duration of orthodontic treatment and to overcome other treatment limitations. It focuses especially on micro-osteoperforations (MOPs) as the most conservative, efficient, and versatile approach to increase the rate of tooth movement. [...] 

Contents


Dental Malpractice

Global Perspectives

A. A. A. Asea, University of Dammam Department of Neuroscience Research, Dammam, Saudi Arabia; B. Leipzig, Loudoun Dental Smiles, Leesburg, VA; K. Al-Borhan, University of Dammam, Dammam, Saudi Arabia; P. Kaur, Morehouse School of Medicine, Atlanta, GA, USA (Eds)

This book provides concise, up-to-date reviews on critical issues in dental malpractice, when the treatment delivered falls below the acceptable standard of care, with serious consequences. [...] 

Contents


Pathogenesis of Periodontal Diseases

Biological Concepts for Clinicians

N. Bostanci, Karolinska Institute Department of Dental Medicine, Huddinge, Sweden; G. N. Belibasakis, Karolinska Institute Department of Dental Medicine, Huddinge, Sweden (Eds)

This book aims to provide clinicians with a refined understanding of the biology that underlies periodontal diseases, thereby offering a sound basis for improved clinical decision making with regard to prevention strategies, diagnosis, and therapy. [...] 

Contents

Periodontal Pathogenesis: Introduction and Definitions.- Diversity of the Oral Microbiome in Periodontal Health and Disease.- Subgingival Biofilms as Etiological Factors of Periodontal Diseases.- Bacterial Virulence Factors that Contribute to Periodontal Pathogenesis.- Central Role of Neutrophils in Periodontal Pathogenesis.- Active Matrix Metalloproteinase 8 - Contributor to Periodontitis and a Missing Link between Dentistry and Medicine.- Inflammatory Pathways of Bone Resorption in Periodontitis.- Genetic Influences on the Periodontal Microbial-Host Cross-Talk. [...]
Orthodontic Management of the Developing Dentition
An Evidence-Based Guide
M. T. Cobourne, King’s College London Dental Institute, London, UK (Ed)

This multiauthor clinical guide provides an evidence-based overview of orthodontic management during development of the dentition. It begins with an illustrated account of normal dental development and then covers the management of problems that are commonly seen during this process. [..]

Contents
Development of the Dentition.- Space loss and crowding.- First permanent molars.- Supernumerary teeth.- Tooth agenesis.- Trauma.- Eruption failure.- The maxillary canine.- Class II malocclusion.- Class III malocclusion.- Posterior crossbite.

Lasers in Dentistry—Current Concepts
D. J. Coluzzi, University of California, San Francisco, CA; S. Parker, University of Genoa, Genova (Eds)

This book provides information on the basic science and tissue interactions of dental lasers and documents the principal current clinical uses of lasers in every dental discipline. The applications of lasers in restorative dentistry, endodontics, dental implantology, pediatric dentistry, periodontal therapy, and soft tissue surgery are clearly described and illustrated. [..]

Contents

Esthetic and Functional Management of Diastema
A Multidisciplinary Approach
U. Erdemir, University of Istanbul Faculty of Dentistry, Istanbul, Turkey; E. Yildiz, University of Istanbul Faculty of Dentistry, Istanbul (Eds)

This book offers detailed guidance on integrated orthodontic, periodontal, and restorative solutions for the treatment of diastema, highlighting the advantages of such a multidisciplinary approach and presenting suitable clinical protocols for esthetic reconstruction and functional improvement. [..]

Contents
Orofacial Disorders
Current Therapies in Orofacial Pain and Oral Medicine

J. N. A. R. Ferreira, National University of Singapore, Singapore, Singapore; J. Fricton, University of Minnesota, Edina, MN; N. Rhodus, University of Minnesota, Minneapolis, MN (Eds)

This cutting-edge book is a quick reference guide to the evidence-based evaluation, diagnosis, and management of the broad spectrum of orofacial disorders. Each chapter is devoted to a particular disease or disorder and presents advances in our understanding of the condition, the most recent evaluation and diagnostic strategies, and up-to-date treatment approaches. [...] Contents

Implant Aesthetics
**Keys to Diagnosis and Treatment**
**E. D. Karateew**, University of Illinois at Chicago, Chicago, IL, USA (Ed)

This book, written by acknowledged experts with international reputations, provides clinicians with detailed guidelines on the nature of the ideal anterior dental implant and, more importantly, how the desired aesthetic outcome is to be achieved. [...]

**Contents**
- Evaluation of the Aesthetic Implant Patient: Clinical Assessment of the Alveolus and Gingivae.
- Radiological Assessment of the Anterior Maxilla and Mandible.
- Treatment Planning the Aesthetic Dental Implant with Digital Aids.
- Determination of the Sequence of Therapy.
- Immediate Implant Placement: Principles of the Technique.
- Atraumatic Extraction.
- Maintaining the Soft Tissue Profile. [...]

Apical Periodontitis in Root-Filled Teeth
**Endodontic Retreatment and Alternative Approaches**
**T. Kvist**, University of Gothenburg The Sahlgrenska Academy, Gothenburg, Sweden (Ed)

This book is a comprehensive guide to apical periodontitis in root-filled teeth that covers not only all aspects of diagnosis and management but also epidemiology, etiology, consequences, clinical decision-making, and prognosis. There is a particular focus on the available surgical and nonsurgical methods of retreatment designed to restore healthy periapical conditions. [...]

**Contents**
- Introduction.
- Incidence, frequency and prevalence.
- Etiology.
- Consequences.
- Decision making.
- Surgical retreatment.
- Non surgical retreatment.
- Prognosis.
- Alternatives – Extraction and tooth replacement.
- Index.

Management of Fractured Endodontic Instruments
**A Clinical Guide**
**T. Lambrianidis**, Aristotle University of Thessaloniki, School of Dentistry, Thessaloniki, Greece (Ed)

This superbly illustrated book provides detailed information on the causes of instrument failure during endodontic treatment, the factors influencing the management of such cases, and the diverse management options that may be employed to resolve the problem. Readers will find clear descriptions and comparative evaluation of the available methods, techniques, and devices. [...]

**Contents**
- Introduction.
- Causes of Intracanal Instrument Failure.
- Factors Influencing Management of Separated Instruments.
- Management Options of the Error.
- Comparative Evaluation of Techniques Used.
- Complications during Management of Separated Instruments.
- Impact of Retained Fragment on Prognosis of Root Canal Treatment.
- Prevention.

July 2017
XVIII, 450 p. 499 illus., 462 illus. in color.
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Oral Infections and General Health
From Molecule to Chairside
A. M. Lynge Pedersen, University of Copenhagen (Ed)

This book provides a wide-ranging update on the associations between oral infections and general health. [...]

Contents
Background Topics: Introduction.- HealthOral Infections and General: Dental Caries and General Health in Children and Adults.- Inflammatory Mechanisms Linking Periodontal Disease to Cardiovascular Disease.- Linkage between Periodontal Disease and Rheumatoid Arthritis.- Linkage between Periodontal Disease and Diabetes.- Association between Dental Infections and Renal and Liver Diseases.- Association between Oral Infections and Cancer Risk.- Oral Candidiasis and the Medically Compromised Patient.- Association between Oral Infections and Salivary Gland Hypofunction. [...]

Mycobacterial Skin Infections
D. Bonamonte, Polyclinic of Bari - Dermatology Unit, Bari; G. Angelini, Polyclinic of Bari - Dermatology Unit, Bari (Eds)

This well-illustrated book is a comprehensive guide to the cutaneous clinical presentations of mycobacterial infections. The Mycobacterium genus includes over 170 species, nontuberculous mycobacteria (NTM) having been added to the obligate human pathogens such as M. tuberculosis and M. leprae. [...]

Contents
Preface.- 1 General Introduction.- 2 Characteristics of Mycobacteria.- 3 Taxonomy of Mycobacteria.- 4 Diagnostic criteria of Mycobacteria.- 5 Laboratory procedures of Mycobacteria: Smear microscopy, Cultures, Species Identification, Molecular Typing Methods, Antimicrobial Susceptibility Testing, Skin tests.- 6 Epidemiology of Mycobacteria.- 7 Clinical Presentations of Mycobacteria. [...]

Metal Allergy
From Dermatitis to Implant and Device Failure
J. K. Chen, Stanford University School of Medicine, Redwood City, CA, USA; J. P. Thyssen, Copenhagen University Hospital Gentofte, Hellerup (Eds)

This volume opens by providing a comprehensive overview of the use and regulation of metals in our society, metal properties, and available testing methodologies. Common and uncommon metal allergens and sources of exposure are then reviewed in depth, detailing allergic responses and paying special consideration to select patient populations. [...]

Contents
Preface.- I Metal: Overview.- 1 Use of metals in our society.- 2 Methods to detect metal composition: XRF, SEM, ICP-MS.- 3 Metal corrosion.- 4 EN1811.- 5 EN ISO 17075.- 6 Regulation of metal exposure to prevent allergy.- 7 Clinical Presentations of Mycobacteria. [...]

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Dermatology

Melanonychias
N. Di Chiacchio, Hospital do Servidor Público Municipal, São Paulo, Brazil; A. Tosti, University of Miami, Miami, FL, USA (Eds)

The purpose of this book is to guide the dermatologist and the general physician in the differential diagnosis and treatment of melanonychias. Melanonychia is a longitudinal pigmentation of the nail and it is considered a common presenting problem in general dermatology. [..]

Contents

May 2017
XI, 155 p. 111 illus., 110 illus. in color. Hardcover. 155 x 235 mm
£ 49.99 | € 66.99
ISBN 978-3-319-44991-3
All Language Rights Available

Percutaneous Penetration Enhancers Drug Penetration Into/Through the Skin
Methodology and General Considerations
N. Dragicevic, Apoteka “Beograd”, Belgrade, Serbia; H. I. Maibach, San Francisco, CA, USA (Eds)

Percutaneous Penetration Enhancers in a mini-series format comprising five volumes, represents the most comprehensive reference on enhancement methods – both well established and recently introduced – in the field of dermal/transdermal drug delivery. In detail the broad range of both chemical and physical methods used to enhance the skin delivery of drugs is described. [..]

Contents

May 2017
XVI, 414 p. 126 illus., 50 illus. in color. Hardcover. 178 x 254 mm
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Daily Routine in Cosmetic Dermatology
M. C. A. Issa, Fluminense Federal University, Niterói, Brazil; B. Tamura, Clínicas Hospital of São Paulo of the University of Sao Paulo, Sao Paulo, Brazil (Eds)

The series “Clinical Approaches and Procedures in Cosmetic Dermatology” intends to be a practical guide in Cosmetic Dermatology. Procedures in cosmetic dermatology are very popular and useful in medicine, indicated to complement topical and oral treatments not only for photodamaged skin but also for other dermatosis such as acne, rosacea, scars, etc. [..]

Contents
SECTION A: SKIN HISTOLOGY AND PHYSIOLOGY IN COSMETIC DERMATOLOGY

Series Title
Clinical Approaches and Procedures in Cosmetic Dermatology

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XXI, 470 p. 132 Illus., 119 Illus. in color. Print + eReference. Hardcover. 155 x 235 mm
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Autoimmune Bullous Diseases
Text and Review
M. F. Jonkman, University Medical Center Groningen Center for Blistering Diseases, Groningen, The Netherlands (Ed)

This book provides obligatory study material on courses on autoimmune bullous diseases. Residents and researchers in dermatology and adjacent disciplines can use the book as a quick reference guide when dealing with these patients. [..]

Contents
Part I: Immunology and diagnostic tests-B-cells, autoantibodies and isotypes.- Dermatological examination of bullous diseases.- How to take a biopsy.- Direct immunofluorescence.- Indirect immunofluorescence.- Immunoblot.- ELISA testing.-


Evolution of Atopic Dermatitis in the 21st Century
I. Katayama. Graduate School of Medicine Osaka Univer Department of Dermatology Integrated Med, Suita; H. Murota. Department of Dermatology Graduate School of Medicine, Osaka Univ., Suita; T. Satoh. Department of Dermatology National Defense Medical College, Tokorozawa (Eds)

This comprehensive guide offers a state-of-the-art overview of basic and clinical aspects of atopic dermatitis (AD). The name “atopic dermatitis” was first used in 1933, and Drs. [..]

Contents
Introduction: History and definition.- Epidemiology: Epidemiology of Childhood AD in Japan.- Epidemiology of Childhood AD in Asian countries.- Retrospective cohort study in Adolescent AD.- Genetics: GWAS study in Japanese AD.- Etiopathology of AD from Japanese studies: Non-immunological aspect:Barrier (Filaggrin to tight junction).- Immunological aspect: Th2/Mast cell/basophil/Eosinophil.- Immunological aspect: DC/ILC.- Cytokine network.- Itch and psychiatric aspect. [..]

Environment and Skin
J. Krutmann. IUF – Leibniz Research Institute for Environmental Medicine, Düsseldorf; H. Merk. Universitätsklinikum Aachen Klinik für Dermatologie u. Allergologie, Aachen (Eds)

This book is a rich source of information on skin disorders due to toxicants in the environment. State of the art knowledge is summarized concerning the molecular basis of skin damage caused by well-appreciated environmental noxae. The book also provides a uniquely comprehensive overview of the detrimental dermatological effects of exposure to air pollution and global climate change. [..]

Contents
General Aspects of Dermatotoxicology: Skin as a metabolizing organ.- Skin toxicology in the 21st century: Modern Risk Assessment Strategies.- Risk assessment for contact allergens. Environmental threats to skin: UV and skin: photoaging.- UV and skin: photocarcinogenesis.- Actinic skin damage beyond UV.- Tobacco smoke and skin.- Ozone and skin: Italy.- PM and skin.- Contact allergy.- Contact urticaria / Anaphylaxis.- Arsen and skin.- PAHs and skin.- Global climate change and skin diseases.- Global climate change, pollen and allergy.
A Treatise on Topical Corticosteroids in Dermatology
Use, Misuse and Abuse
K. Lahiri, Apollo Gleneagles Hospitals and WIZDERM, Kolkata (Ed)

This treatise aims to fill up the lacuna and to contribute significantly to the dissemination of knowledge about the indication/contraindication, mechanism of action, ethical use, side-effects and various other facets related to topical corticosteroid. Topical corticosteroids (TC) have greatly enhanced dermatologists’ ability to effectively treat several difficult dermatoses. [...] 

Contents

Atlas of Diagnostically Challenging Melanocytic Neoplasms
C. Longo, Arcispedale S.Maria Nuova-IRCCS, Reggio Emilia; G. Argenziano, Second Univ. of Naples Dept. of Dermatology, Naples; A. Lallas, Arcispedale Santa Maria Nuova - IRCCS, Reggio Emilia; E. Moscarella, Arcispedale Santa Maria Nuova - IRCCS, Reggio Emilia; S. Piana, Arcispedale Santa Maria Nuova - IRCCS, Reggio Emilia

This atlas provides a clear, concise overview of the most challenging circumstances faced by clinicians and pathologists when dealing with melanocytic neoplasms. The book is structured as a case series; for each case, the clinical and dermoscopic appearances are presented, accompanied by a brief but comprehensive description and compelling histopathologic images. [...] 

Contents
Preface.- 1 Introduction to challenging melanocytic neoplasms.- 2 Melanocytic nevi in patients with multiple nevi.- 3 Spitzoid lesions in adults.- 4 Flat solitary pigmented lesions in elderly patients.- 5 Lesions with regression.- 6 Sclerosing nevi.- 7 Melanoma incognito.- 8 Melanoma on acral site.- 9 Melanoma on the face.- 10 Conclusions of the editors on melanocytic neoplasms.

Clinical Cases in Skin of Color
Medical, Oncological and Hair Disorders, and Cosmetic Dermatology
P. B. Love, Montgomery Dermatology, PC, Montgomery, AL, USA; R. V. Kundu, Northwestern University Feinberg School of Medicine, Chicago, IL, USA (Eds)

This book identifies the most common presentations and essential features of top dermatological conditions in patients with skin of color. It presents practical information in a case-based organization to assist dermatologists in clinical decision making, and discusses important cultural beliefs that must be considered in order to provide optimal care to patients with skin of color. [...] 

Contents

Series Title
Clinical Cases in Dermatology
Lentigo Maligna Melanoma  
Challenges in Diagnosis and Management  
K. S. Nehal, Memorial Sloan-Kettering Cancer Center, New York, NY; K. J. Busam, Memorial Sloan-Kettering Cancer Center Department of Dermatopathology, NEW YORK, NY, USA (Eds)

This book provides a comprehensive approach to the diagnosis and management of melanoma of the lentigo maligna subtype, specifically. Authors from multiple fields provide educational information along with importantly relevant, practical, and insightful details to improve the understanding and management approach to this type of melanoma. [...]

Contents

Dermatoanthropology of Ethnic Skin and Hair  
N. A. Vashi, Boston University, Boston, MA, USA; H. I. Malbach, University of California, San Francisco, San Francisco, CA, USA (Eds)

Dermatoanthropology of Ethnic Skin and Hair is a comprehensive text that extensively examines cutaneous disease in persons with skin of color. The breadth of knowledge in this book encompasses the wide scope of dermatologic disease with 26 distinct and unique chapters. [...]

Contents
Emergency Department Management of Obstetric Complications

J. Borhart, Georgetown University School of Medicine, Washington, DC, USA (Ed)

Obstetrical emergencies can be among the most stressful events an emergency physician will face in their entire career. [...]

Contents


Fire and Rescue Services Leadership and Management Perspectives

P. Murphy, Nottingham Trent University, Nottingham, UK; K. Greenhalgh, Nottingham University Business School, Nottingham, UK (Eds)

This unique text fills a major gap in the emergency services literature by surveying the research on fire and rescue service management in the UK. An extensive evidence base focuses on organizational culture, leadership skills, standards, and accountability, emphasizing the services’ dual roles as first responders and guardians of public safety and prevention. [...] 

Contents


Series Title

Leadership & Management of Emergency Services: Ambulance, Fire & Rescue, and Police

Geriatric Emergency Medicine

C. Nickel, University Hospital Basel; A. Bellou, Université de Rennes 1 Faculty of Medicine, Rennes, France; S. Conroy, University of Leicester, Leicester, UK (Eds)

This book discusses all important aspects of emergency medicine in the elderly, identifying the particular care needs of this population, which all too often remain unmet. The up-to-date and in-depth coverage will assist emergency physicians in identifying patients at risk for adverse outcomes, in conducting appropriate assessment, and in providing timely and adequate care. [...] 

Contents

Academic Global Surgery
M. Swaroop, Northwestern University, Chicago, IL, USA; S. Krishnaswami, Oregon Health and Science University, PORTLAND, OR (Eds)

This seventh book in the series of Success in Academic Surgery look to sustain the field and facilitate the next generation of leaders in Academic Global Surgery. It brings together a catalogue of current knowledge, needs, and pathways to a career in the field. [...] 

Contents

Series Title
Success in Academic Surgery

Full Stride
Advancing the State of the Art in Lower Extremity Gait Systems
V. Tepe, The Geneva Foundation, Tacoma, WA, USA; C. Peterson, MarquiSci, Potomac, MD, USA (Eds)

Objectives. The primary goal of Full Stride: Next Steps is to describe the latest research and technology that is beyond the scope of the first volume, Full Stride. The contents of the accompanying volume directly relate to the futuristic design and application of lower-extremity prosthetic devices. [...] 

Contents

Trajectory Analysis in Health Care
D. W. Hollar, Pfeiffer University, Morrisville, NC, USA

This innovative volume introduces Trajectory Analysis, a new systems-based approach to measuring nonlinear dynamics in continuous change, to public health and epidemiology. It synthesizes influential strands of statistical and probability science (including chaos theory and catastrophe theory) to complement existing methods and models used in the health fields. [...] 

Contents

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Health Outcomes in a Foreign Land
A Role for Epigenomic and Environmental Interaction
B. Kwabi-Addo, Howard University Dept of Biochemistry & Molecular Biology, Woodbridge, VA

This stimulating volume uses multiple lenses to analyze the complex causes of health disparities affecting minorities, in particular African Americans, and explains how this knowledge can be used to reduce their destructive effects. […]

Contents

Trauma, Resilience, and Health Promotion in LGBT Patients
What Every Healthcare Provider Should Know
K. L. Eckstrand, University of Pittsburgh Medical Center, Pittsburgh, PA, USA; J. J. Potter, Harvard Medical School, Boston, MA, USA (Eds)

This book has two goals: to educate healthcare professionals about the effect of identity-based adversity on the health of their LGBT patients, and to outline how providers can use the clinical encounter to promote LGBT patients’ resilience in the face of adversity and thereby facilitate recovery. […]

Contents

Geriatric Home-Based Medical Care
Principles and Practice
J. L. Hayashi, Johns Hopkins Bayview Medical Center Division of Geriatric Medicine, Baltimore, MD, USA; B. Leff, Johns Hopkins Bayview Medical Center Division of Geriatric Medicine, BALTIMORE, MD (Eds)

This book is a practical reference for any clinician who has struggled to care for an older adult in a home setting. The volume is written by experts in the field who describe fundamental principles and clinical approaches of geriatric home-based care and their application to specific diseases and conditions, including delirium, incontinence, falls, and chronic pain and disability. […]

Contents
Introduction: Why house calls medicine?.- Myths and pitfalls.- Getting started with house calls (with reference to AAHCM guide).- How to make a house call.- Handling common clinical situations in the home.- House calls for special populations.- Advance care planning for house calls patients.- Locations.- Working with community resources critical to house calls.- Conclusion: rationale, scope, impact of house calls.
Whole Person Care
Transforming Healthcare
T. A. Hutchinson, McGill University, McGill Programs in Whole Person Care, Montreal, QC

This book argues persuasively and passionately that patient care is best when the patient’s healing journey is as good as it can possibly be. That means the patient as a Whole Person – the self in all its physiological, emotional, social and even spiritual dimensions – should receive truly comprehensive patient-centered care. […]

Contents

Substance Use Disorders
A Guide for the Primary Care Provider
H. T. Milhorn, Meridian, MS

This practical and timely book provides comprehensive, state-of-the-art guidance on how primary care clinicians can best care for patients with substance use disorders. The book covers the major drugs of abuse, as well as the more recent ones, detailing the biology of various addictions and all dimensions of clinical diagnosis and management. […]

Contents

Geriatric Medicine
A Problem-Based Approach
B. K. R. Nair, School of Medicine and Public Health The Lodge, John Hunter Hospital Campus, Newcastle, NSW, Australia (Ed)

Written by international experts, this book presents chapters that cover common geriatric conditions including dementia, depression, delirium, falls, polypharmacy, incontinence, immobility, and medication-related issues, as well as neurological, cardiovascular, and endocrine diseases associated with old age. […]

Contents
Our Aging World.- Physiology of Aging.- Frailty in Older People.- Pharmacology.- The Problem of Delirium in the Elderly.- Dementia: Making a Diagnosis and Managing Behavioral and Psychological Symptoms.- Diagnosis and Management of Depressed Mood in the Older Person.- Falls: Prevention and Management.- The Problem of Incontinence in the Elderly.- Acute Care and Geriatric Assessment.- Geriatric Ambulatory Care of the Elderly.- Residential Care.- Rehabilitation for the Older Patient.- Stroke in Old Age.- Atrial Fibrillation in the Elderly: Special Problems.- Isolated Systolic Hypertension. […]

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A Guide to Psychosocial and Spiritual Care at the End of Life

H. S. Perkins, The University of Texas Health Science Center, San Antonio, TX, USA

Psychological, social, and spiritual care is as important as physical care at the end of life. Yet caregivers often feel ill-equipped to give that nonphysical care. This book shows how to do it. […]

Contents
Psychosocial and Spiritual Care with the End of Life in Sight.- The Symptoms and Signs of Dying.- Decisions at the Ends of Patients’ Lives.- Risks, Benefits, and Patients’ Treatment Decisions at the End of Life.- The Challenges of Prognosis Near the End of Life.- Advance Care Planning and Preparing to Die.- Proxy Decision-Making at the End of Life.- Impact of Terminal Illness on the Family.- Care for Family Caregivers.- Culture and End-Of-Life Care.- The “Right” Time and Way to Die.- Going Home, the Afterlife, and Other Beliefs About Death.- Bereavement and Grief. […]

Comprehensive Geriatric Assessment

A. Pilotto, Ospedali Galliera Geriatric Care, Orthogeriatrics and Rehab, Genoa; F. C. Martin, St. Thomas Hospital Dept. of aging and health, London (Eds)

This book offers an up-to-date review on the principles and practice of multidimensional assessment and management of the older individual, which represents the cornerstone of modern clinical practice in the elderly. […]

Contents
Multidisciplinary geriatric assessment (MGA): an updated definition.- The different domains of MGA.- The multidisciplinary team and the different levels of MGA-based assessment.- MGA in the hospital.- MGA in long-term care and the nursing home.- MGA in the community and in outpatient consultation.- MGA and personalized medicine.- MGA and clinical decision-making.- MGA in the emergency department.- MGA in cancer patients.- MGA in patients with orthopaedic conditions. […]

Series Title
Practical Issues in Geriatrics

Management of Anemia

A Comprehensive Guide For Clinicians

R. Provenzano, St. John Hospital & Medical Center, Detroit, MI, USA; E. V. Lerma, University of Illinois at Chicago College of Medicine, Oak Lawn, IL, USA; L. Szczech, Durham Nephrology Associates, Durham, NC, USA (Eds)

This concise and practical resource brings together recent advances in identifying and managing anemia of chronic disease (inflammation), genetically related anemia and anemia related to chronic end organ damage. […]

Contents
Ch. 1: Disease state: Kidney Disease.- Ch. 2: Iron Deficiency Anemia.- Ch. 3: Nutritional anemia in adults and in elderly patients.- Ch. 4: Anemia of Chronic Disease.- Ch. 5: Current and Novel Drugs for Management of Anemia.- Ch. 6: Anemia of Chronic Kidney Disease.- Ch. 7: Anemia in Liver Disease.- Ch. 8: Anemia in the Patient with Chronic Lung Disease.- Ch. 9: Anemia in Malignancy.- Ch. 10: The Complex Relationships Between Iron Regulation, Obesity and Anemia.- Ch. 11: Post-Transplant Anemia.- Ch. 12: Anemia in children.- Ch. 13: Management of Sickle Cell Anemia.
Vaccine Science and Immunization Guideline
A Practical Guide for Primary Care
P. Rockwell, University of Michigan, Ann Arbor, MI (Ed)

This book is a comprehensive resource on vaccines and immunizations for primary care physicians, advanced practice providers, and trainees. We are now seeing a rise in measles and the potential for rises in other previously rare infectious diseases, significantly due to public and physician misconceptions and misinformation about vaccines. [...] 

Contents
History of Infectious Disease and Vaccines in Society.- Vaccine Science and Immunology.- Immunization Recommendations and Guidelines: From Development to CDC Recommendations.- Vaccine Preventable Diseases and the Vaccines that Prevent Them.- Vaccine Adverse Effects: Myths and Realities.- Barriers to Improved Immunization Rates and Ways to Overcome Them.- Models of Health Behavior and Systems and Overcoming Barriers to Improved Immunization Rates.- Sources and Resources in Determining Immunization Status of Your Patients.

Learning Geriatric Medicine
A Study Guide for Medical Students
R. Roller-Wirnsberger, Medical University of Graz, Graz; K. Singler, Institute for Biomedicine of Aging, Erlangen; M. C. Polidori, University Hospital of Cologne, Cologne (Eds)

This textbook presents hands-on training material based on the recently released “European undergraduate curriculum in geriatric medicine”. The style reflects the need for practice-based teaching in daily clinical routine with a modern edge; accordingly, it also employs online material and pocket cards. [...] 

Contents
The Complexity of the geriatric patient.- Communication with and evaluation of older people.- Atypical presentation of disease with ageing.- Prevention in older person.- Common geriatric syndromes.- Other common health problems in older persons.- Pharmacotherapy in older persons.- Physical activity and functioning.- Comprehensive geriatric assessment.- Ethics and legal issues in the care of older people.- Health care in older adults and Geriatric care in different settings. [...] 

Series Title
Practical Issues in Geriatrics

Unusual Diseases with Common Symptoms
A Clinical Casebook
A. M. Szema, Stony Brook University, South Setauket, NY (Ed)

This book presents detailed case reports of unusual diseases with common symptoms, many of which have emerged in the past decade as a result of nature, advances in medical treatment, and increasing recognition of specific underpinnings of human biology and immunology. [...] 

Contents

Series Title
Clinical Casebooks
Primary Care for Older Adults
Models and Challenges
M. Wasserman, Woodland Hills, CA; J. Riopelle, Physician Consultant Institute, Denver, CO, USA (Eds)

This book provides a comprehensive and systematic state-of-the-science review of major primary care delivery models, how they address specific needs of older adults, and available evidence for their efficacy. Written by experts in the field, this book explores the patient-centered medical home model (PCMH) in depth and dives into the complexities of the “medical neighborhood.” [...] 

Contents

May 2017
XVI, 205 p. 18 illus. in color. Softcover. 155 x 235 mm
£ 66,99 | € 89,99
ISBN 978-3-319-45335-4

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Pediatric Forensic Evidence
A Guide for Doctors, Lawyers and Other Professionals
D. L. Robinson, Queen’s University Hospital, Romford, UK

This book provides guidance to all professionals working with children who present with injuries, neglect, illness falsification and other forms of child abuse. Clinical findings and the current literature are analyzed. The author’s clinical experience is shared to assist the reader in diagnosing the cause of injury and other presentations. [...] 

Contents
General Aspects of Child Protection.- Bruising in Infants & Children.- Fractures.- Burns.- Abusive Head Trauma (AHT).- Abdominal and Thoracic Trauma.- Neglect and Emotional Abuse.- Fabricated or Induced Illness by Carers (FII).- Child sexual abuse.

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Rehabilitative Surgery
A Comprehensive Text for an Emerging Field

This book represents the first interdisciplinary text on the emerging field of rehabilitative surgery, in which state of the art procedures from multiple surgical specialties are combined. [...] 

Contents

August 2017
XVII, 398 p. 86 illus., 63 illus. in color. Hardcover. 178 x 254 mm
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Pancreatic Cancer
With Special Focus on Topical Issues and Surgical Techniques
S. Kim, Seoul National University, College of Medicine, Seoul, Korea (Republic of); H. Yamaue, Wakayama Medical University, Wakayama, Japan (Eds)

This book provides state of the art knowledge on a broad range of clinical issues in pancreatic cancer, covering topics from screening and pathophysiology to surgical treatments. In particular, the focus is on current controversies and on evidence-based surgical techniques. [...] 

Contents

Career Skills for Surgeons
C. Panayiotou Charalambous, Blackpool Victoria Hospital, Blackpool, UK

This book presents various skills to help surgeons improve their day-to-day performance and development including professionalism, communication, situation awareness, decision making, leadership, and technical dexterity. It also offers advice on how to organise a surgical theatre list, improve theatre efficiency, prepare for surgical interviews and participate in surgical research and audit. [...] 

Contents

Laparoscopic Sacrocolpopexy for Beginners
How to Start if you Never Dared Before?
P. von Theobald, CHU Réunion, Hôpital Félix Guyon, Saint Denis de la Réunion, France

This book offers a practical surgical guide, helping surgeons learn the technique needed to perform Laparoscopic SacroColpoPexy (LSCP). To do so, it explains the surgical process in straightforward language, supplemented by images and diagrams, while also discussing why this procedure is so effective. [...] 

Contents
Big Data-Enabled Nursing
Education, Research and Practice
C. W. Delaney, University of Minnesota School of Nursing, Minneapolis, MN; C. A. Weaver, Smyrna, GA; J. Warren, University of Kansas School of Nursing, Plattsmouth, NE; T. Clancy, University of Minnesota, Minneapolis, MN; R. Simpson, Cerner Corporation, Kansas City, MO (Eds)

Historically, nursing, in all of its missions of research/scholarship, education and practice, has not had access to large patient databases. Nursing consequently adopted qualitative methodologies with small sample sizes, clinical trials and lab research. Historically, large data methods were limited to traditional biostatistical analyses. [...] 

Contents

Series Title
Health Informatics

Cognitive Informatics in Health and Biomedicine
Understanding and Modeling Health Behaviors
V. L. Patel, The New York Academy of Medicine, New York, NY, USA; J. F. Arocha, University of Waterloo, Waterloo, ON, Canada; J. S. Ancker, Weill Cornell Medical College, New York, NY, USA (Eds)

As health care is moving toward a team effort with patients as partners, this book provides guidance on the optimized use of health information and supporting technologies, and how people think and make decisions that affect their health and wellbeing. [...] 

Contents

Series Title
Health Informatics

Histiocytic Disorders
O. Abla, The Hospital for Sick Children, Toronto, ON, Canada; G. Janka, University Medical Center Hamburg Eppendorf, Hamburg (Eds)

This volume provides a comprehensive and world-class review of the field of histiocytic neoplasms and hemophagocytic lymphohistiocytosis (HLH). It reviews all the advances in the field of histiocytoses during the last ten years, particularly with regards to the genomic findings in LCH and other histiocytic neoplasms and the new suggested classification of the histiocytic disorders. [...] 

Contents
Pathology of Histiocytic Disorders and Neoplasms and Related Disorders.- Biology and Genomics of LCH and Related Disorders.- Epidemiology and Clinical Manifestations of Langerhans Cell Histiocytosis in Children.- Central Nervous System Langerhans Cell Histiocytosis.- First-line Treatment of Pediatric Langerhans Cell Histiocytosis.- Treatment of Relapsed and Refractory Langerhans Cell Histiocytosis in Children.- Adult Langerhans Cell Histiocytosis.- Late Effects of Langerhans Cell Histiocytosis and the Association of LCH with Malignancy. [...] 

Series Title
Health Informatics
Upper Endoscopy for GI Fellows
D. G. Adler, University of Utah School of Medicine, Salt Lake City, UT, USA (Ed)

This volume provides a concise overview of the most important and vital aspects of upper endoscopy. The text is specifically geared towards first-year GI fellows and novice endoscopists in order to help them rapidly assimilate the core concepts needed to perform upper endoscopy in the most important and most commonly encountered clinical situations. [...] 

Contents

March 2017
XIII, 182 p. 141 illus., 120 illus. in color. Hardcover.
210 x 279 mm
£ 66.99 | € 89.99
ISBN 978-3-319-49039-7
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Medical and Surgical Complications of Sickle Cell Anemia
A. Al-Salem, Dar AlAlafia Medical Company, Qatif, Saudi Arabia

This book is a wide-ranging guide to the diagnosis and management of the numerous medical and surgical complications that may arise in patients with sickle cell anemia. [...] 

Contents
History of sickle cell anemia.- Genetics and pathophysiology of sickle cell anemia.- Variants of sickle cell anemia.- Clinical features of sickle cell anemia.- The spleen and sickle cell anemia.- Hepatobiliary complications of sickle cell anemia.- Acute chest syndrome and sickle cell anemia.- Musculoskeletal manifestations of sickle cell anemia.- Gastrointestinal complications of sickle cell anemia.- Leg ulcers in patients with sickle cell anemia.- The hand and foot syndrome in sickle cell anemia.- Acute appendicitis and sickle cell anemia. [...] 

June 2017
XIII, 349 p. 305 illus., 99 illus. in color. Hardcover.
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Sexually Transmitted Infections in HIV-Infected Adults and Special Populations
A Clinical Guide
L. H. Bachmann, Wake Forest University Health Sciences, Winston-Salem, NC, USA (Ed)

Though recent breakthroughs in research advance care with each day, the population of HIV-infected individuals continues to grow globally, leaving them particularly susceptible to additional STDs that are complicated by their immunocompromised state. [...] 

Contents
Introduction.- Sexual history – this is where it begins.- STDs and HIV – Syndemics and Synergy.- Bacterial STDs.- Viral STDs.- Parasitic STDs.- Other.- Prevention.- Special populations.

June 2017
XII, 283 p. 84 illus., 78 illus. in color. Hardcover.
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Gastrointestinal Motility Disorders
A Point of Care Clinical Guide
E. Bardan, Tel Aviv University, Ramat Aviv, Israel; R. Shaker, Medical College of Wisconsin, Milwaukee, WI, USA (Eds)

This guide focuses on the answers to patient questions that are frequently posed to providers who care for patients with GI motility disorders. [...] 

Contents

Pulmonary Hypertension and Interstitial Lung Disease
R. P. Baughman, University of Cincinnati Medical Ce, CINCINNATI, OH; R. G. Carbone, Genoa; S. D. Nathan, Inova Heart and Vascular Institute, Falls Church, VA (Eds)

The first edition of this book, published in 2009, was the only book of its kind dedicated exclusively to the diagnosis and management of pulmonary arterial hypertension (PAH) in patients with interstitial lung disease (ILD). Over the past few years, new diagnostic tests and treatments of pulmonary arterial hypertension have been developed and tested. [...] 

Contents

Infection Prevention
New Perspectives and Controversies
G. Bearman, Virginia Commonwealth University, Richmond, VA, USA; S. Munoz-Price, Medical College of Wisconsin 1701 Wright Street, Milwaukee, WI, USA; D. J. Morgan, University of Maryland 620 W. Lexington Street, Baltimore, MD, USA; R. K. Murthy, Cedar-Sinai Medical Center, Los Angeles, CA, USA (Eds)

This book reviews evolving areas in infection prevention on topics including contact precautions, technology implementation, specific infections, and care in various settings. The book summarizes the current data on infection prevention, presents controversies on the various topics, and includes recommendations for patient safety. [...] 

Contents
HAI Controversies: Contact Precautions.- Hand Hygiene Monitoring Technologies: Implementation and Outcomes.- Universal Glove and Gown Use for the prevention of methicillin-resistant Staphylococcus aureus (MRSA) or vancomycin-resistant Enterococcus (VRE).- Isolation Precautions for Visitors to Healthcare Settings.- Bacterial contamination of the anesthesia work area: hands, patients, and things.—Infection Control in the Outpatient Setting. [...] 

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Current and Emerging Therapies in Pancreatic Cancer
T. Bekaii-Saab, Mayo Clinic Cancer Center, Scottsdale, AZ, USA; B. El-Rayes, Emory University, Atlanta, GA, USA (Eds)

This book provides a comprehensive, state-of-the-art review of current and new therapies in treating pancreatic cancer. [...] 

Contents

A DIY Guide to Telemedicine for Clinicians
S.B. Bhattacharyyan Medical Association, Haryana

This book is a do-it-yourself guide for clinicians who wish to set up and run a telemedicine facility of their own. The contents are largely based on the understanding and experience gained by the author as a practising physician, management post-graduate (capstone thesis was on telemedicine) and as a business architect for digital health systems over more than thirty years. [...] 

Contents
Telemedicine.- Telemedicine Services.- Infrastructural Requirements.- Technological Requirements.- All Services – Overview & General Principles.- Teleconsultation.- Telemonitoring.- Remote Care.- Management Aspects.- Legal Aspects. [...] 

Nitrite and Nitrate in Human Health and Disease
N. S. Bryan, Baylor College of Medicine, Houston, TX, USA; J. L. O’Malley, Harvard Medical School, Boston, MA, USA (Eds)

This fully revised and updated new edition provides a comprehensive look at nitrite and nitrate and their effect on human health and disease. The first section describes the biochemical analysis of nitrite and nitrate and its role in human physiology. The book then shifts to sources of human exposure of nitrite and nitrate, including environmental and dietary. [...] 

Contents
Section I: Biochemistry, Molecular Biology, Metabolism, and Physiology.- Introduction.- From Atmospheric Nitrogen to Bioactive Nitrogen Oxides.- Nitrate Reducing Oral Bacteria: Linking Oral and Systemic Health.- Epigenetics and the Regulation of Nitric Oxide.- The Mitochondrion: A Physiological Target of Nitrite.- Sources of Exposure to Nitrogen Oxides.- Section II: Food and Environmental Exposures to Nitrite and Nitrate.- History of Nitrite and Nitrate in Food.- Nutritional Epidemiology of Nitrogen Oxides: What do the Numbers Mean?- Nutritional Impact on the Nitric Oxide Pathway. [...] 

Series Title
Nutrition and Health
Clinical Handbook of Air Pollution-Related Diseases
F. Capello, Alder Hey Children’s Hospital, Liverpool; A. Gaddi, Health Lab GTechnology Foundation, Modena (Eds)

This book examines in detail the clinical implications of those diseases that either are primarily triggered by air pollution or represent direct consequences of air pollutants. The aim is to provide medical practitioners with practical solutions to issues in diagnosis and treatment while simultaneously furnishing other interested parties with crucial information on the field. [...] 

Contents
PART 1 – 1 Pollution and Air Pollution Related Diseases: an overview.- 2 Physical and chemical basis of the air pollution.- 3 Geographical distribution of main pollutants.- 5 Air pollution in high-middle-low income settings.- 6 Outdoor pollution.- 7 Indoor pollution.- 8 Air pollution and human health.- 9 clinical issues and pollution.- 10 ethical implications of air pollution.- PART 2 – 11 Pollution as risk factor for acute/chronic and fatal/non fatal events.- 12 Pollution effects across the lifespan. [...] 

Treatment of Inflammatory Bowel Disease with Biologics
A. S. Cheifetz, Beth Israel Deaconess Medical Center Center for Inflammatory Bowel Disease, Boston, MA, USA; J. D. Feuerstein, Beth Israel Deaconess Medical Center, Boston, MA, USA (Eds)

This book is a concise yet comprehensive overview of the use of biologics for the treatment of Crohn’s disease and ulcerative colitis. [...] 

Contents
Mechanism of Action and Pharmacokinetics of Biologics.- Anti-tumor Necrosis Factor Agents in Ulcerative Colitis.- Anti-tumor Necrosis Factor Agents in Crohn’s Disease.- Anti-TNF Therapy for Treatment of Extraintestinal Manifestations of Inflammatory Bowel Disease.- Use of Biologics in the Postoperative Management of Crohn’s Disease.- Biologics in Pregnancy and Breastfeeding.- Concomitant Use of Immunosuppressive Therapy with Tumor Necrosis Factor (TNF) Antagonists in Inflammatory Bowel Disease.- Therapeutic Drug Monitoring of Biologic Agents. [...] 

Obesity, Type 2 Diabetes and the Adipose Organ
A Pictorial Atlas from Research to Clinical Applications
S. Cinti. University of Ancona, Ancona

This richly illustrated book provides a detailed description of the gross anatomy, light microscopy, immunohistochemistry, and electron microscopy of the adipose organ, which comprises subcutaneous and visceral fat depots. Findings in mice of differing genetic backgrounds (obesity prone and resistant) and maintained in standard and various physiologic and pathologic conditions are presented. [...] 

Contents
Inflammatory Bowel Disease
Diagnosis and Therapeutics
R. D. Cohen, The University of Chicago Medicine, Chicago, IL, USA (Ed)

The latest edition of this text provides a comprehensive overview of the “natural flow of knowledge” regarding inflammatory bowel disease, with an emphasis on state-of-the art approaches that should be the basis for diagnosis and treatment of most patients. [...] 

Contents

Series Title
Clinical Gastroenterology

Neuroendocrine Tumors in Real Life
From Practice to Knowledge
A. Colao, University of Naples Federico II Neuroendocrine Unit, Naples; A. Faggiano, Federico II University Neuroendocrine Unit, Naples; W. de Herder, Erasmus University Rotterdam Internal Medicine Dept., Endocrinology, Rotterdam (Eds)

This book on neuroendocrine tumors (NETs) aims to present, in a clear and innovative manner, a broad topic that is still unevenly and in some respects poorly delineated. [...] 

Contents
Part I General Remarks: Epidemiology of NET (by site of tumour and by geographical area).- Pathological classification (GEP, TNET and rare forms).- Biology of NET (oncogenes, tumor suppressor genes, epigenetics).- Part II Clinical Cases and Their Implications (from clinical practice to guidelines): Prognostic factors: TNM.- Grading (Ki67 score).- Molecular pathway - somatostatin receptors.- Molecular pathway - oncogene (mTOR).- Molecular pathway - tumor suppressor gene (MEN1).- Nuclear medicine imaging (FDG-PET). [...] 

Resistant Hypertension in Chronic Kidney Disease
A. Covic, Spitalul C. I. Parhon, Iasi, Romania; M. Kanbay, Koc University School of Medicine, Istanbul, Turkey; E. V. Lerma, University of Illinois at Chicago C, Chicago, IL, USA (Eds)

This comprehensive volume provides a detailed review on the general work up of chronic kidney disease-associated resistant hypertension. This title is separated into four parts; the first of which provides definitions, epidemiology, characteristics, risk stratification and outcomes of resistant and apparent treatment resistant hypertension. [...] 

Contents
Chapter 1. Definitions of Resistant Hypertension and Epidemiology of Resistant Hypertension.- Chapter 2. Definition and Characteristics of Hypertension Associated with Chronic Kidney Disease: Epidemiological Data.- Chapter 3. Apparent Treatment-Resistant Hypertension and Chronic Kidney Disease: Another Cardiovascular-Renal Syndrome?.- Chapter 4. The Importance of Ambulatory and Home Monitoring Blood Pressure in Resistant Hypertension Associated with Chronic Kidney Disease.- Chapter 5. Resistant Hypertension and Outcomes in Patients With and Without Chronic Kidney Disease. [...]
Minimally Invasive Surgery for Upper Abdominal Cancer

M. A. Cuesta, VU University Medical Center, Amsterdam, The Netherlands (Ed)

This book aims to comprehensibly describe the minimally invasive technique including robot assisted procedures of upper abdominal cancer, including aspects such as surgical anatomy, neoadjuvant therapy and minimally invasive surgical technique, and robot assisted procedures (5 alinea). Upper abdominal oncological surgery is increasingly approached by Minimally Invasive Surgery (MIS). [...] 

Contents


Patient Safety and Quality in Pediatric Hematology/Oncology and Stem Cell Transplantation

C. E. Dandoy, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; J. M. Hilden, Children's Hospital Colorado, Aurora, CO, USA; A. L. Billett, Dana-Farber, Boston, MA, USA; B. U. Mueller, Johns Hopkins All Children's Hospital, St. Petersburg, FL, USA (Eds)

This volume provides a concise yet comprehensive overview of patient safety issues and quality improvement for the pediatric hematology/oncology/stem cell transplant practice. [...] 

Contents


Zika Virus Infection Risk of Spreading in Europe

M. Díaz-Menéndez, Hospital Universitario La Paz-Carlos III, Madrid, Spain; C. Crespillo-Andújar, Hospital Universitario La Paz-Carlos III, Madrid, Spain

This book describes the demographic and clinical patterns of Zika infection and evaluates the risk of it spreading to Europe. It reflects the hands-on experience of the author, who as a physician, was faced with the first-ever cases reported in Europe. [...] 

Contents

Introduction.- The Epidemiology.- The Virus.- The Vector.- Routes of Infection.- The Disease.- Laboratory Diagnosis.- Treatment.- Prevention.- Risk of Globalization of the Disease in Europe.

Series Title

SpringerBriefs in Immunology
Dietary Fiber in Health and Disease

M. L. Dreher, Wimberley, TX, USA

This newest addition to the Nutrition and Health series is a comprehensive, yet portable, guide to the use of dietary fiber for the management of health and disease. Dietary Fiber in Health and Disease covers all sources of dietary fiber with a focus on preventing and managing chronic diseases. [...]

Contents

Introduction to Dietary Fiber.- Overview of the Health Benefits of Adequate Fiber Intake.- Fiber-Rich Diets and Dietary Supplement in Colonic Microbiota Health.- Connection Between Fiber, Colonic Microbiota and Health Across the Human Lifecycle.- Fiber and Aging.- Fiber and Dietary Patterns in Weight Regulation.- Whole Plant Foods in Weight Regulation.- Fiber in Laxation and Constipation.- Fiber and Low FODMAP Diets Effect in Irritable Bowel Syndrome.- Fiber and Inflammatory Bowel Disease.- Fiber and Coronary Heart Disease. [...]

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Surgical Procedures on the Cirrhotic Patient

B. Eghtesad, Cleveland Clinic, Cleveland, OH, USA; J. Fung, University of Chicago, Chicago, IL, USA (Eds)

This volume provides a concise yet comprehensive overview on surgical procedures performed on the cirrhotic patient. The text explains the underlying pathophysiologic alterations in liver disease and cirrhosis, provides assessment of disease severity and risk factors, and helps to predict potential outcomes based on the nature of the operation. [...]

Contents

Pathophysiology of Cirrhosis and Portal Hypertension.- Coagulopathy in Cirrhosis.- The Impact of Liver Disease on Drug Metabolism.- Imaging in Cirrhotic Patients Undergoing Surgical Procedures.- Anesthesia for Surgical Procedures in Cirrhotic Patients, Other than Liver Transplantation.- Nutritional Support of Patient with Cirrhosis.- Surgery in Patients with Hepatic Cirrhosis: Management of Portal Hypertension.- Perioperative Critical Care of the Patient with Liver Disease Undergoing Non-Hepatic Surgery.- Role of Minimally Invasive Surgery in Patients with Cirrhosis. [...]

Series Title
Introduction to Gastrointestinal Diseases

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XVIII, 352 p. 51 illus., 27 illus. in color. Hardcover.
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Introduction to gastrointestinal diseases Vol. 2

J. Fichna, Medical University of Lodz, Lodz (Ed)

Learn the basics and more of gastrointestinal diseases. Gastrointestinal diseases have become a major medical, social and economic burden worldwide. The larger the number of patients suffering from gastric ulcer and colorectal cancer, the greater the need to properly diagnose and cure. This book is a comprehensive guide through GI diseases, which can be used by practitioners and patients. [...]

Contents

Part 3: Gastric ulcer.- Part 4: Colorectal cancer.

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Stinging Insect Allergy
A Clinician’s Guide
T. M. Freeman, San Antonio Allergy and Asthma Clinic, San Antonio, TX, USA; J. M. Tracy, Allergy, Asthma & Immunology Associates P.C., Omaha, NE, USA (Eds)

This comprehensive book thoroughly covers the field of stinging insect allergy; addressing all clinical aspects, including diagnosis and therapeutic recommendations. Stinging Insect Allergy: A Clinician’s Guide begins with a look into the entomologic aspects of Hymenoptera insects (bees, vespids, wasps and ants), which cause nearly all the IgE mediated reactions due to insects. [...] 

Contents

Pancreatology
A Clinical Casebook
T. B. Gardner, Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA; K. D. Smith, Dartmouth-Hitchcock Medical Center, Lebanon, NH (Eds)

This clinical casebook provides a comprehensive yet concise state-of-the-art review of pancreatic disease. Presented in a case-based format, each case focuses on a different variant of pancreatic disease and pancreatic cancer, with sections on diagnosis and early detection, management of the disease, and treatment of complications from the disease. [...] 

Contents

Thyroid Nodules
Diagnosis and Management
H. Gharib, Mayo Clinic, Rochester, MN, USA (Ed)

Utilizing the most current evidence, this practical book is the first publication of its kind to focus exclusively on the clinical and laboratory evaluation and therapy of thyroid nodules, including advances in evaluation and controversies in management. [...] 

Contents
1. Epidemiology of Thyroid Nodules.- History and Examination for Thyroid Nodules.- Laboratory Evaluation for Thyroid Nodules.- Nuclear Medicine in Evaluation and Therapy of Nodular Thyroid.- Imaging for Thyroid Nodules.- Fine Needle Aspiration for Thyroid Nodules.- Description and Classification of Thyroid Cytology.- Molecular Markers and Thyroid Nodule Evaluation.- Thyroxine Therapy for Thyroid Nodules.- Multinodular Goiter.- Thyroid Incidentalomas.- Surgery for Thyroid Nodules. [...] 

Series Title
Clinical Casebooks

Series Title
Contemporary Endocrinology
Establishing a Hematopoietic Stem Cell Transplantation Unit
A Practical Guide
É. Gluckman, Eurocord Hôpital Saint Louis, Paris, France; D. Niederwieser, University of Leipzig; M. Aljurf, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia (Eds)

This text aims to provide simplified practical guidelines to start a hematopoietic stem cell transplantation unit which could be implemented in most centers and countries worldwide. [...] Contents
Global Perspective on HSCT.- General Principles of HSCT.- The HSCT Program Structure: Minimal Requirements.- Inpatient HSCT Unit.- Outpatient HSCT Unit.- Indications for HSCT in Children.- Indications for Allogeneic Hematopoietic Cell Transplantation in Adults.- Immunogenetics Laboratory.- Stem Cell Source.- Donor/Recipient Selection, Work Up and Safety.- Essential Requirements for setting up a Stem Cell Processing Laboratory.- Supportive Care.- Transfusion.- Laboratory Support.- Quality Management.- Long-Term Follow-up Program. [...] Series Title
Headache

Headache and Comorbidities in Childhood and Adolescence
V. Guidetti, Child & Adolescent Neuropsychiatry, Sapienza University, Rome; M. A. Arruda, University of São Paulo, Neuropsychiatry, Gia Institute, Ribeirão Preto, Brazil; A. Ozge, Neurology, Algology and Clinical Neurophysiology, Mersin University School of Medicine, Mersin, Turkey (Eds)

This book aims to provide clinicians and other practitioners and professionals with up-to-date information on how to evaluate and manage headaches in children and adolescents, highlighting the most recent recommendations. [...] Contents
1 Epidemiology of Headache in Children and Adolescents.- 2 Classification and Limits.- 3 Genetics.- 4 Epigenetics.- 5 Headache, Burden and Quality of life.- 6 Bad Life Events (Abuse) and Headache.- 7 Childhood Periodic Syndromes.- 8 Comorbidity with ADHD.- 9 Comorbidity with Asthma and Atopic Disorders.- 10 Comorbidity with Brain Tumors.- 11 Comorbidity with Epilepsy.- 12 Comorbidity with Movement Disorders.- 13 Comorbidity with Psychiatric Disorders.- 14 Comorbidity with Sleep Disorders.- 15 Comorbidity with Vascular Disorders. [...] Series Title
Nutrition and Health

Clinical Aspects of Natural and Added Phosphorus in Foods
O. M. Gutiérrez, University of Alabama at Birmingham, Department of Medicine, School of Medicine, Birmingham, AL, USA; K. Kalantar-Zadeh, City Tower, Suite 400-ZOT4088 UCI, School of Medicine, Orange, CA, USA; R. Mehrotra, University of Washington, Professor of Medicine, and Section Head Harborview Medical Center, Seattle, WA, USA (Eds)

This comprehensive reference covers the impact of dietary phosphorus in phosphorus physiology, public health and the pathogenesis of disease. Divided into three parts, the first section is an overview of the history of phosphorus and the regulation of phosphorus homeostasis. The second section focuses on specific matters related to phosphorus in the food supply. [...] Contents
Nutrition and Health
Atlas of Thyroid Ultrasonography

M. Halenka, Faculty of Medicine and Dentistry, Palacký University Olomouc and University Hospital Olomouc, Olomouc, Czech Republic; Z. Fryšák, Faculty of Medicine and Dentistry, Palacký University Olomouc and University Hospital Olomouc, Olomouc, Czech Republic

Combining high-quality ultrasound scans with clear and concise explanatory text, this atlas includes side-by-side depictions of various conditions of the thyroid both with and without indicative marking. Each ultrasound finding is displayed twice, six figures per page. The left-hand image is a native figure without marks; the right-hand image depicts marked findings. [...] Contents

Section I: Normal Thyroid Gland.- Ultrasound of Normal Thyroid Gland and Lymph Nodes.- Section II: Diffuse Thyroid Diseases.- Diffuse Goiter.- Hashimoto's Thyroiditis: Chronic Lymphocytic Thyroiditis.- Hashimoto's Thyroiditis: Goiter.- Hashimoto's Thyroiditis: Atrophic Gland.- Hashimoto's Thyroiditis: Hashitoxicosis.- Graves' Disease.- Subacute Granulomatous Thyroiditis: de Quervain's Disease.- Amiodarone-induced Thyrotoxicosis.- Section III: Nodular Goiter: Benign Lesions. [...] Gender, Sex Hormones and Respiratory Disease

A Comprehensive Guide

A. R. Hemnes, Vanderbilt University Medical Center, Nashville, TN, USA (Ed)

This book discusses normal sex-related differences in lung structure and function and the role these differences play in lung disease. New research on the effects of sex hormone signaling on specific cell types of the lung has begun to reveal how these hormones may drive or prevent lung disease. [...] Contents


Series Title

Respiratory Medicine

Advances in Endoscopy in Inflammatory Bowel Disease

T. Hibi, Kitasato University, Minato-ku; T. Hisamatsu, Kyorin University School of Medicine Division of Gastroenterology and Hepatol, Mitaka; T. Kobayashi, Kitasato University, Minato-ku, Japan (Eds)

Advances in Endoscopy in Inflammatory Bowel Disease summarizes the recent progress made in endoscopy, an essential tool for the diagnosis and management of IBD. It goes on to provide an introduction of state-of-the-art endoscopic techniques, as well as an atlas of high-quality endoscopic images of IBD and related diseases. [...] Contents

Part 1 The role of endoscopy in IBD.- Chapter 1 The Role of Endoscopy in IBD.- Chapter 2 Current progress of endoscopy in IBD: Colonoscopy.- Chapter 3 Current progress of endoscopy in IBD: Balloon enteroscopy.- Chapter 4 Current progress of endoscopy in IBD: Capsule endoscopy.- Chapter 5 Current progress of endoscopy in IBD: CT enterography and CT colonography in IBD.- Chapter 6 Current progress of endoscopy in IBD: MR Enterography.- Part 2 Endoscopic diagnosis of IBD.- Chapter 7 Diagnosis of UC-typical findings and diagnostic criteria. [...]
Ebolaviruses
Methods and Protocols

T. Hoenen, Friedrich-Loeffler-Institut, Greifswald - Insel Riems; A. Groseth, Friedrich-Loeffler-Institut, Greifswald - Insel Riems (Eds)

This vital book collects key methods that have supported advancements in the field of ebolavirus molecular biology given the pressing need for the advancement of techniques for diagnostics, the development of vaccines and antivirals, and for furthering our understanding of ebolavirus biology. [...]
Autoimmune Thrombocytopenia
Y. Ishida, Iwate Medical University School of Medicine, Morioka, Japan; Y. Tomiyama, Osaka University Hospital, Suita, Japan (Eds)

This book provides a concise yet comprehensive summary of the current state of knowledge concerning the pathophysiology, differential diagnosis and treatment options that support day-to-day patient management. [...] 

Contents

Hematological Disorders in Children
Pathogenesis and Treatment
E. Ishii, Ehime University Graduate School of Medicine, Toon, Japan (Ed)

This book describes the pathogenesis and treatment of several representative hematological disorders in children, with a special focus on genetic and molecular aspects. Research on the pathogenesis of hematological disorders in children has made remarkable strides; especially molecular target therapy has shown outstanding effects in refractory and conventional therapies for childhood leukemia. [...] 

Contents

Hepatitis B Virus and Liver Disease
J. Kao, Graduate Institute of Clinical Medicine National Taiwan University College of Me, Taipei; D. Chen, Genomics Research Center Academia Sinica, Taipei (Eds)

This book provides a comprehensive, state-of-the-art review of HBV infection and liver disease. [...] 

Contents
Life cycle and molecular virology.- Unmet needs in basic research: in vitro and in vivo models.- Immunopathogenesis.- Epidemiology and natural history.- Hepatitis B vaccination.- Viral factors and disease progression.- Host genetic factors and disease progression.- Molecular carcinogenesis of HCC.- Interferon therapy and long-term outcomes.- Nucleotide therapy and long-term outcomes.- Combination therapy.- Treatment of patients with HCV, HDV or HIV co-infection.- Management of children and pregnant women.- Management of patients with immunosuppressive therapy. [...]
**COPD**

**Heterogeneity and Personalized Treatment**

S. Lee, Asan Medical Center University of Ulsan College of Medicine, Seoul, Korea, Republic of (South Korea) (Ed)

This book explains how analysis of the heterogeneity of chronic obstructive pulmonary disease (COPD) enhances understanding of the condition and leads to improved, personalized treatment. [..]

**Contents**


**Adrenal Disorders**

**Physiology, Pathophysiology and Treatment**

A. C. Levine, Icahn School of Medicine at Mount Sinai Div of Endocrinology & Bone Diseases, New York, NY, USA (Ed)

This practical resource provides the latest evidence, management strategies and recommendations for the treatment of disorders of the adrenal glands, including related physiology, genetics and pharmacology. This book is divided into three thematic sections. [..]

**Contents**

Part I: Adrenal Physiology.- Adrenal Zonation and Development.- Regulation of Adrenal Steroidogenesis.- Pharmacology of Glucocorticoids.- Part II: Adrenal Genetics and Pathophysiology.- Autoimmune Addison Disease.- Genetics and Pathophysiology of Congenital Adrenal Hyperplasia.- Primary Aldosteronism.- Pathophysiology and Genetic Landscape of Adrenocortical Tumors and Hyperplasias.- Pheochromocytomas and Paragangliomas.- Part III: Diagnosis and Management of Adrenal Disorders. [..]

**Series Title**

Contemporary Endocrinology

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**Basic Research and Clinical Aspects of Adamantinomatous Craniopharyngioma**

J. P. Martinez-Barbera, University College London, London, London, UK; C. Lilian Andoniadou, King’s College London, London, UK (Eds)

This astute volume brings together the latest expert research on adamantinomatous craniopharyngiomas (ACPs). ACPs are histologically benign but clinically aggressive tumors exhibiting a high propensity for local invasion into the hypothalamus, optic and vascular structures. [..]

**Contents**


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Sickle Cell Disease and Hematopoietic Stem Cell Transplantation

E. R. Meierna Hemophilia and Thrombosis Centernapolis, IN, USA; A. Abraham, Children’s National Medical Center Div of Blood & Marrow Transplantation, Washington, DC, USA; R. M. Fasano, Emory University School of Medicine, Atlanta, GA, USA (Eds)

This book provides a comprehensive, state-of-the-art review of hematopoietic stem cell transplantation (HSCT) for sickle cell disease (SCD). [...] Contents

Pathology of the Bile Duct
Y. Nakanuma, Shizuoka Cancer Center, Shizuoka, Japan (Ed)

This book provides a comprehensive overview of the research on bile duct pathology, from basic theory to practical aspects, and presents the latest advances. [...] 

Contents
1. Basic understanding of bile duct pathology.- Development and anatomy of bile duct.- Bicarbonate umbrella and its disruption of the bile duct.- Biliary innate immunity and its disorder.- Cellular senescence and biliary disorders.- Vascular supply of the bile duct and ischemic cholangiopathy.- 2. Practical understanding of biliary diseases.- Immunopathology of bile duct lesions of primary biliary cirrhosis.- Natural and recurrent primary sclerosing cholangitis.- Recent progress of pathogenesis of IgG4-related sclerosing cholangitis.- Pathology and imaging of peribiliary cysts: recent progress. [...] 

Hemodiafiltration
Theory, Technology and Clinical Practice
M. J. Nubé, VU University Medical Centre, Amsterdam, The Netherlands; M. P.C. Grooteman, VU University Medical Center, Amsterdam, The Netherlands; P. J. Blankestijn, University Medical Center Utrecht, Utrecht, The Netherlands (Eds)

This book gives a complete description of online hemodiafiltration, in five sections. It is unique in the systematic and complete way in which hemodiafiltration is described. Each chapter is completed by a point-to-point summary of essential information, in a separate text box. Part of the book is dedicated to the theoretical background of convective clearance. [...] 

Contents
Chapter 1 General introduction.- PART I: TECHNICAL ASPECTS.- Chapter 2 Convective techniques.- Chapter 3 Water treatment and safety requirements.- Chapter 4 Description of hemodiafiltration.- Chapter 5 Dialyzers for hemodiafiltration.- PART II: EFFECTS OF HEMODIAFILTRATION ON VARIOUS BIOMARKERS.- Chapter 6 Effects on electrolytes and mineral metabolism.- Chapter 7 Effects on anemia control.- Chapter 8 Effects on inflammation and oxidative stress.- Chapter 9 Effects on the removal of uremic toxins.- Chapter 10 Effects on platelets and coagulation. [...] 

Osteoporosis Rehabilitation
A Practical Approach
C. V. Oleson, Thomas Jefferson University, Philadelphia, PA, USA

Taking an expansive perspective on osteoporosis and its ramifications, but with a central focus on the transition from diagnosis to treatment, rehabilitation and current management options, this practical guide discusses the most recent knowledge and literature on osteoporosis for the wide cross-section of professionals involved in treating this pervasive condition. [...] 

Contents
The Physical Exam
An Innovative Approach in the Age of Imaging
R. E. Phillips, New York Medical College, Kent Lakes, NY, USA

This book invites clinicians to take a fresh look at the routine physical examination by outlining in detail how they can adapt a more efficient, regional approach to the exam activity. [...] Contents

Influenza and Respiratory Care
M. Pokorski, Opole Medical School, Opole, Poland (Ed)

Respiratory infections constitute a major public health concern. The goal of this book is to share knowledge on the best advances in influenza and influenza-like viral infections, and new molecular-based diagnostic methods that discern the antigenic shift enabling viruses to constantly evolve and elude the host immune response. [...] Contents

Respiratory System Diseases
M. Pokorski, Opole Medical School, Opole, Poland (Ed)

Both communicable and noncommunicable diseases of the respiratory system are an increasing healthcare problem despite medical advances. This book aims at unraveling the mechanisms and improving the treatment of pulmonary pathologies, ranging from such common conditions like influenza and related viral infections, functional lung dysfunction, to lung lesions and others. [...] Contents
Impaired Vascular Function in Sarcoidosis Patients.- Effectiveness of Bronchofiberscopy in Diagnosis of Lung Lesions.- Hospital Morbidity Database for Epidemiological Studies on Churg-Strauss Syndrome.- Public Perception of the Risks Associated with Infectious Diseases in Poland: Ebola and Influenza and Their Impact on the Attitude to Vaccination.- The Sentinel System as the Main Influenza Surveillance Tool.- The activity of influenza and influenza-like viruses in individuals aged over 14 in the 2015/16 influenza season in Poland. [...] Series Title Advances in Experimental Medicine and Biology
Diet, Nutrition, and Fetal Programming

R. Rajendram, King's College, London, UK; V. R. Preedy, King's College, London, UK; V. B. Patel, University of Westminster, London, UK (Eds)

This volume offers the most comprehensive coverage on fetal programming. Chapters are written by authors of international and national standing, leaders in the field and trendsetters. The clinical relevance of the current research is emphasized in each chapter, which also contains key points, key words, and concise summaries for ease of learning. [...]}

Contents

Series Title
Nutrition and Health

Cardio-Nephrology
Confluence of the Heart and Kidney in Clinical Practice

J. Rangaswami, Albert Einstein Medical Center, Philadelphia, PA, USA; E. V. Lerma, Univ. of Illinois at Chicago, Dept.of Med Medicine/ Associates in Nephrology, S.C., Chicago, IL, USA; C. Ronco, International Renal Research Institute, Vicenza (Eds)

Extending from the outpatient management of cardiovascular and kidney disease, to hospital-based decision making in patients with cardio-renal disease and complex interfaces such as hemodialysis in patients with ventricular assist device support, this book serves as a single reference point for cardiology and nephrology clinicians and researchers dealing with the significant overlap areas between [...]}

Contents
PART I: CARDIOVASCULAR DISEASE SPECTRUM IN CHRONIC KIDNEY DISEASE.- Chapter 1 Endothelial Dysfunction and Nitric Oxide: Albuminuria as a Central Marker.- Chapter 2 Vascular and Valvular Calcification in Chronic Kidney Disease: Pathogenesis and Clinical Outcomes.- Chapter 3 Sudden Cardiac Death in CKD and ESKD: Risk Factors, Mechanisms, and Therapeutic Strategies. [...]}

Understanding Kidney Diseases

H. C. Rayner, Birmingham Heartlands Hospital, Birmingham, UK; M. Thomas, Birmingham Heartlands Hospital, Birmingham, UK; D. Milford, Birmingham Children's Hospital, Birmingham, UK

This text aids medical students and trainee doctors in developing their knowledge of the conditions covered and improving their ability to clinically assess patients and formulate a management plan. [...]}

Contents
Introduction.- The purpose of the book – understanding the natural history of kidney disease.- how displaying a GFR history is a fundamental part of the clinical assessment of kidney diseases.- how the eGFR graph is used to inform patients and plan treatment.-principles but not details of treatment.- The basics of creatinine measurement and eGFR equations in adults.- Simple guide to the classification of AKI, AKD and CKD.- Stages of CKD – including proteinuria.- The meaning of 'stability' in an eGFR graph – variation over time.- Cases. [...]}

Series Title
Nutrition and Health
Expanded with six additional chapters and new study questions, this updated edition provides a clear and concise understanding of the fundamentals of fluid, electrolyte and acid-base disorders that are frequently encountered in clinical practice. Each chapter follows a standard format that begins with pertinent basic physiology followed by its clinical disorder. [...]

Contents

Diabetes and Exercise
From Pathophysiology to Clinical Implementation
J. E. B. Reusch, MD, University of Colorado School of Medicine, Aurora, CO, USA; J. G. Regensteiner, PhD, MA, BA, University of Colorado School of Medicine, Aurora, CO, USA; K. J. Stewart, Ed.D., FAHA, MAACVPR, FACSM, Johns Hopkins University School of Medicine, Baltimore, MD, USA; A. Veves, MD, DSc, Beth Israel Deaconess Medical Center, Boston, MA, USA (Eds)

Now in a fully revised and updated second edition, written and editing by leading experts in the field, this comprehensive and practical text brings together the latest guidelines and recommendations on the benefits of exercise and physical activity in the management of diabetes and its complications, providing both the researcher and practitioner with evidence-based information that is both theor [...]

Contents
Part I: Epidemiology and Prevention.- State of Fitness: Overview of the Clinical Consequences of Low Cardiorespiratory Fitness.- Prevention of Type 2 Diabetes.- The Metabolic Syndrome. [...]

Series Title
Contemporary Diabetes

Clinical Medical Ethics
Landmark Works of Mark Siegler, MD
L. W. Roberts, Stanford University School of Medicine, Palo Alto, CA, USA; M. Siegler, Pritzker School of Medicine, Chicago, IL, USA (Eds)

This instant gold standard title is a major contribution to the field of clinical medical ethics and will be used widely for reference and teaching purposes for years to come. Throughout his career, Mark Siegler, MD, has written on topics ranging from the teaching of clinical medical ethics to end-of-life decision-making and the ethics of advances in technology. [...]

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Managing COPD
R. E. Russell, Imperial College, London, UK (Ed)

The fourth edition of this popular book captures the latest updates in within the management and treatment of patients with COPD. Managing COPD, fourth edition, includes recommendations for COPD from published guidelines (eg, the GOLD, ATS, and NICE guidelines) and presents them in the context of relevant clinical treatment issues.

Contents
Introduction.- Epidemiology, risk factors, and pathophysiology.-The clinical consultation.- Management strategies.- Palliative care in COPD.- The future of COPD.-

Depression and Anxiety in Patients with Chronic Respiratory Diseases
A. Sharafkhaneh, Staff Physician, Michael E. DeBakey VA Medical Center, Houston, TX, USA; A. M. Yohannes, Manchester Metropolitan University, Manchester, UK; N. A. Hanania, Baylor College of Medicine, Houston, TX, USA; M. E. Kunik, Baylor College of Medicine, Houston, TX, USA (Eds)

In this unique title, the full range of chronic respiratory conditions and their association with psychiatric comorbidities are explored and targeted management options are outlined. Indeed recent studies indicate a far higher prevalence of depression and anxiety in patients afflicted with chronic respiratory conditions than in patients with other chronic disorders.

Contents
Depression and anxiety in chronic respiratory diseases.- Depression and Anxiety Across the Age Spectrum.- Diagnostic Tools for Anxiety and Depression.- Anxiety and Depression in COPD Patients.- Depression and Anxiety in Adult Patients with Asthma.- Depression and Anxiety in the Cystic Fibrosis Population.- End Stage Lung Disease and Lung Transplantation.- Sleep-Disordered Breathing and Mental Illness.- The Impact of Comorbidities in Patients with Chronic Respiratory Diseases.

The Rise of Acid Reflux in Asia
P. Sharma, University of Kansas School of Medicine, Kansas City, MO, USA; S. Bhatia, KEM Hospital, Mumbai; K. L. Goh, University of Malaya, Kuala Lumpur, Malaysia (Eds)

GERD is the most common gastrointestinal disease in the world affecting over 10-20% of the adult population. GERD is often perceived as a Western disease and very little literature available about this disease in the Asian population. With growing obesity and westernization in Asia, the prevalence of GERD is rapidly increasing.

Contents
.-Defining GERD in Asia: different from the West?.-Reasons for the rise of GERD in Asia: Obesity, H pylori and others.- Pathophysiology and acid production in Asians: different from the West? - Diagnosis of GERD: clinical, pH, impedance: what is the best approach.-Role of endoscopy and advanced imaging in diagnosing GERD.-Medical therapy for GERD in Asian patients.-What to do when medical therapy fails in GERD patients? -Surgical therapy for GERD in Asia.-Barrett’s esophagus in the Asian population.-Extra-esophageal GERD: myth or reality.
Non-Pharmacological Management of Osteoporosis
Exercise, Nutrition, Fall and Fracture Prevention
M. Sinaki, Mayo Clinic, Rochester, MN, USA; M. Pfeifer, German Osteology Foundation, Bad Pyrmont (Eds)

This practical guide presents the most up-to-date information on the application of non-pharmacological and physical therapeutic measures, either used independently or in combination with pharmacotherapy, for the management of osteoporosis. [..]

Contents

Diabetic Retinopathy
Current Pharmacologic Treatment and Emerging Strategies
M. W. Stewart, Mayo Clinic, Jacksonville, FL, USA

A well-illustrated and comprehensive analysis of the treatment of diabetic retinopathy, this book covers current treatment options and guidelines, whilst also providing a detailed discussion of emerging therapeutic targets. [..]

Contents

World Trade Center Pulmonary Diseases and Multi-Organ System Manifestations
A. M. Szema, Stony Brook University, South Setauket, NY, USA (Ed)

This book addresses the pulmonary and non-pulmonary manifestations related to exposure to airborne hazards after the collapse of the World Trade Center. Leading experts consider both short and long term effects on survivors, first responders, and residents of surrounding areas and offer clinical practice guidelines for treatment. [..]

Contents
Childhood Acute Lymphoblastic Leukemia
A. Vora, Sheffield Children’s Hospital NHS Trust, University of Sheffield, Sheffield, UK (Ed)

This book provides a comprehensive and up-to-date review of all aspects of childhood Acute Lymphoblastic Leukemia, from basic biology to supportive care. It offers new insights into the genetic pre-disposition to the condition and discusses how response to early therapy and its basic biology are utilized to develop new prognostic stratification systems and target therapy. [...]

Contents

Pediatric Dialysis Case Studies
A Practical Guide to Patient Care
B. A. Warady, University of Missouri-Kansas City School of Medicine, Kansas City, MO, USA; F. Schaeffer, Center for Pediatrics and Adolescent Medicine, Heidelberg; S. R. Alexander, Stanford University School of Medicine, Stanford, CA, USA (Eds)

Edited by the same team that developed the successful Pediatric Dialysis and its second edition, this text features clinical management principles that are integral to the care of children receiving chronic dialysis. [...] 

Contents

Sepsis
Definitions, Pathophysiology and the Challenge of Bedside Management
N. S. Ward, Alpert/Brown Medical School, Providence, RI, USA; M. M. Levy, Alpert/Brown Medical School, Providence, RI, USA (Eds)

This book is designed to provide a comprehensive and state-of-the-art resource for clinicians who care for patients with sepsis and research scientist alike. Patients with severe sepsis requiring ICU admission have very high rates of ICU and overall hospital mortality, with estimates ranging from 18 to 50%. [...]

Contents
Section 1.- Chapter 1 Introduction.- Chapter 2 Sepsis Definitions.- Chapter 3 Epidemiology of Sepsis: Current Data and Predictions for the Future.- Section 2.- Chapter 4 Overview of the Molecular Pathways and Mediators of Sepsis.- Chapter 5 Sepsis-induced Immune Suppression.- Chapter 6 Molecular Targets for Therapy.- Section 3.- Chapter 7 Mechanisms of Organ Dysfunction in Sepsis.- Chapter 8 Sepsis-Induced AKI.- Chapter 9 Sepsis and the Lung. [...] 

Series Title
Respiratory Medicine
Adult T-cell Leukemia/Lymphoma

T. Watanabe, The University of Tokyo, Tokyo, Japan; T. Fukushima, University of the Ryukyus, Okinawa, Japan (Eds)

This book provides essential information on the epidemiology, molecular and genetic features, anti-CCR4 antibody therapy and a nationwide study of transplantation on human T-leukemia virus type-I (HTLV-1) and adult T-cell leukemia/lymphoma (ATL).

Contents

Chapter No Chapter name 1 Overview 2 Human T-cell leukemia virus type-1 (HTLV-1) 3 Epidemiology 4 Pathology 5 Immunophenotype 6 Leukemogenesis and Molecular Characteristics of Tumor Cells 7 Clinical features of ATL 8 Prognosis and Prognostic Index 9 Treatment of Indolent ATL 10 Chemotherapy of aggressive ATL 11 Transplantation for Aggressive Adult T-cell Leukemia-Lymphoma 12 New Agents of ATL 13 Prevention of human T-cell leukemia virus type 1 mother-to-child transmission

Male Hypogonadism

Basic, Clinical and Therapeutic Principles

S. J. Winters, University of Louisville Health Sciences, Louisville, USA; I. T. Huhtaniemi, Imperial College London, London, UK (Eds)

Now in a revised second edition, this comprehensive text covers all aspects of male hypogonadism from the basic science to clinical management, comprehensively explaining and applying new insights to the treatment of hypogonadal men. Chapters covering neuroendocrine control of testicular function, Leydig cell function, spermatogenesis, and normal and delayed puberty open the book. […]

Contents

Neuroendocrine Control of Human Testicular Function.- The Human Leydig Cell.- Human Spermatogenesis and its Regulation.- Normal and Delayed Puberty.- Congenital Hypogonadotropic Hypogonadism in Males: Clinical Features and Pathophysiology.- Male Hypogonadism Resulting From Mutations in the Genes for the Gonadotropin Subunits and their Receptors.- Hypogonadism in Males with Congenital Adrenal Hyperplasia. […]

Series Title

Contemporary Endocrinology

Diabetes and Aging-related Complications

S. Yamagishi, Kurume University School of Medicine, Kurume (Ed)

This book addresses why and how the aging process is accelerated under diabetes, providing valuable and comprehensive information for the management of various types of diabetes-and aging-related disorders. […]

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Series Title

Contemporary Endocrinology
Dialysis Access Cases
Practical Solutions to Clinical Challenges
A. S. Yevzlin, University of Michigan, Ann Arbor, MI, USA; A. Asif, Albany Medical College, Albany, NY, USA; R. R. Redfield III, University of Wisconsin, Madison, WI, USA; G. A. Beathard, Lifeline Vascular Access, Houston, TX, USA (Eds)

Moving beyond the science of hemodialysis access, this collection of clinical cases covers procedural and practical aspects of arteriovenous fistula, arteriovenous graft, dialysis catheter, draining veins, central veins, arterial interventions and hand ischemia. [...]  

Contents
Section I. Arteriovenous Fistula.- Chapter 1 Arteriovenous Graft-Arteriovenous Fistula Conversion (Secondary Arteriovenous Fistula Creation).- Chapter 2 Proximal forearm Arteriovenous Fistula Creation.- Chapter 3 Fistula with Stenosis of Feeding Artery.- Chapter 4 Juxta-Anastomotic Stenosis of Brachial-Cephalic Fistula.- Chapter 5 Fistula with Diffuse Venous Stenosis.- Chapter 6 Balloon-Guidewire Entrapment.- Chapter 7 Angioplasty of Juxta-anastomotic Stenosis with Venous Rupture.- Chapter 8 Treatment of Accessory Vein with Embolization Coil. [...]  

Management of Lymphomas: A Case-Based Approach
J. Zain, City of Hope Hospital, Duarte, CA, USA; L. W. Kwak, City of Hope Hospital, Duarte, CA, USA (Eds)

This book will provide an overview of how to manage patients with lymphoma in the format of a series of engaging case studies. Lymphomas are cancers that originate in the lymphatic system. There are two main types of lymphoma: Hodgkin lymphoma and non-Hodgkin lymphoma. These lymphomas comprise various subtypes with prognosis and treatment depending on the stage and type of the cancer. [...]  

Contents

Clinical Investigations in Gastroenterology
M. C. Bateson, Bishop Auckland; I. A.D. Bouchier, Edinburgh

The new edition of this book provides a comprehensive review of the basic tests available in gastroenterology. Chapters examine widely-used modern techniques such as ultrasonography for Crohn's disease, capsule endoscopy, elastography and video proctosigmoidoscopy among others. [...]  

Contents
Introduction to SNOMED CT
S. Bhattacharyyan
Medical Association, Faridabad

As a general introduction to the SNOMED CT clinical terminology code system, the book explains in simple terms a wealth of key aspects, including the fundamentals of SNOMED CT, the various ways in which it can be used, and the methods by which it may quickly be deployed for use within an electronic documentation system that deals with clinical and clinics-related data. 

Contents

Decision Making in a World of Comparative Effectiveness Research
A Practical Guide
H. G. Birnbaum, Analysis Group, Inc., Boston, MA, USA; P. E. Greenberg, Analysis Group, Inc., Boston, MA, USA (Eds)

In the past decade there has been a worldwide evolution in evidence-based medicine that focuses on real-world Comparative Effectiveness Research (CER) to compare the effects of one medical treatment versus another in real world settings.

Contents

Modern Meta-Analysis
Review and Update of Methodologies
T. J. Cleophas, Albert Schweitzer Hospital, Sliedrecht, The Netherlands; A. H. Zwinderman, Academic Medical Center, Amsterdam, The Netherlands

Modern meta-analyses do more than combine the effect sizes of a series of similar studies. Meta-analyses are currently increasingly applied for any analysis beyond the primary analysis of studies, and for the analysis of big data.

Contents
Insight into Acquired Brain Injury
Factors for Feeling and Faring Better
C. Durham, Eltham, VIC; P. Ramcharan, RMIT University, Melbourne, VIC, Australia

This book offers an empowering approach to working with people with an acquired brain injury (ABI) based upon the views and perspectives of people with ABI themselves. [...]

Contents

Patient Involvement in Health Technology Assessment
K. M. Facey, Usher Institute of Population Health Sciences and Informatics, University of Edinburgh, Edinburgh, UK; H. Ploug Hansen, Research Unit of General Practice, University of Southern Denmark, Institute of Public Health, Odense; A. N.V. Single, HTAI, Ashgrove, QLD, Australia (Eds)

This is the first book to offer a comprehensive guide to involving patients in health technology assessment (HTA). Defining patient involvement as patient participation in the HTA process and research into patient aspects, this book includes detailed explanations of approaches to participation and research, as well as case studies. [...]

Contents

Pocket Reference to Osteoporosis
S. L. Ferrari, Geneva University Hospital Faculty of Medicine, Geneva; C. Roux, Paris Descartes University Cochin Hospital, Paris, France (Eds)

This book responds to the daily needs of all clinicians treating patients with osteoporosis and provides a key reference guide for any challenges that arise in clinical practice. This book also covers the genetics of the disease, clinical presentation, diagnosis, and current and upcoming treatment recommendations in accordance with the latest international guidelines. [...]

Contents
What causes osteoporosis?- Who has osteoporosis?- How to diagnose osteoporosis and evaluate fracture?- How to prevent osteoporosis and fragility fractures?- How to treat osteoporosis in postmenopausal women?- How to manage male osteoporosis?- How to manage secondary osteoporosis?- When to stop, to switch, or to combine therapy in osteoporosis?- What is on the horizon for osteoporosis therapy?

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The Resilient Physician
A Pocket Guide to Stress Management
J. D. Kelly IV, University of Pennsylvania, Philadelphia, PA, USA

Written by a veteran clinician for medical practitioners of all disciplines and levels of experience, this concise pocket guide presents a frank discussion about facilitating resiliency in the face of the personal and professional challenges of a medical career. [...]

Contents

Budget-Impact Analysis of Health Care Interventions
A Practical Guide
J. Mauskopf, RTI Health Solutions, Research Triangle Park, NC, USA; S. R. Earnshaw, RTI Health Solutions, Research Triangle Park, NC, USA; A. Brogan, RTI Health Solutions, Research Triangle Park, NC, USA; S. Wolowacz, Head, Health Economics, RTI Health Solutions, The Pavilion, Towers Business Park, Wilmslow Road, Didsbury, Manchester, UK; T. Brodtkorb, RTI Health Solutions, Ljungskile, Sweden

The first of its kind for budget-impact analysis, this comprehensive guide provides clear and concise instructions for evaluating the impact that new pharmaceuticals will have on the budget for a specific jurisdiction. The book demonstrates how to create a budget-impact analysis using a simple six-step process that is consistent with current guidelines for these analyses. [...]

Contents

Writing and Publishing a Scientific Research Paper
S. C. Parija, Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER), Puducherry; V. Kate, Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER), Puducherry (Eds)

This book covers all essential aspects of writing scientific research articles, presenting eighteen carefully selected titles that offer essential, “must-know” content on how to write high-quality articles. [...]

Contents
Why write a scientific research paper.- Components and structure of a scientific paper.- Title, title page, covering letter.- Abstract and key words.- Introduction.- Methods.- Results.- Discussion and conclusion.- References.- Figures/Tables/Supporting materials and annexure.- Choosing a journal for paper submission and methods of submission.- Revision of an article and how to deal with the rejected manuscript.- Authorship and Contributorship.- Types of manuscripts. [...]

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Antibiotic Pharmacokinetic/Pharmacodynamic Considerations in the Critically Ill
A. A. Udy, School of Public Health and Preventive Medicine, Monash University, Melbourne, VIC, Australia; J. A. Roberts, The University of Queensland, Herston, QLD, Australia; J. Lipman, The University of Queensland, Herston, QLD (Eds)

This book provides unique insights into the issues that drive modified dosing regimens for antibiotics in the critically ill. Leading international authors provide their commentary alongside a summary of existing evidence on how to effectively dose antibiotics. Severe infection frequently necessitates admission to the intensive care unit (ICU). […]

Contents

Emergencies in Neuromuscular Disease
E. Agostoni, ASST Grande Osp Metropolitano Niguarda, Milano (Ed)

This book offers a practical tool for handling neuromuscular emergencies, and is divided by the main neuromuscular diseases on the basis of their anatomical and clinical location: diseases affecting the anterior horn of the spinal cord (tetanus), those that affect the nerve roots and nerves (SGB, multiple mononeuritis, porphyria), the neuromuscular junction (MG and botulism) and, lastly, muscle pa […]

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A traditional view of the Autonomic Nervous System (ANS) considers only its peripheral part: the sympathetic and parasympathetic systems. However, this view misses to consider the most important ANS function: the maintenance of homeostasis.

**Contents**


**Movement Disorders Curricula**

C. Falup-Pecurariu, Transilvania University, Brasov, Romania; J. Ferreira, Faculty of Medicine, Lisbon, Portugal; P. Martinez-Martin, Carlos III Institute of Health, Madrid, Spain; K. R. Chaudhuri, National Parkinson Foundation Centre of Excellence King's College, London, UK (Eds)

This book offers a comprehensive approach to the wide range of movement disorders, an important specialty in the field of neurology, guiding readers from the phenomenology to diagnosis and management. Reflecting the latest developments in the field, it offers a unique summary of this dynamic area by pursuing a uniform approach to movement disorders curricula.

**Contents**


**Botulinum Toxin Treatment in Clinical Medicine**

B. Jabbari, Yale University School of Medicine Dept of Neurology, New Haven, CT, USA (Ed)

This book provides BoNT treatment menus for symptom-oriented therapy in 14 different disease categories. Each chapter starts with a brief description of the disease and its current treatment followed by an evidenced-based upon the published assertions of the Therapeutic Subcommittee of the American Academy of Neurology.

**Contents**

Neuro-Ophthalmology
Illustrated Case Studies
D. P. Kidd, Royal Free Hospital, London, UK

This book presents fifty clinical cases in neuro-ophthalmology, some of which are common and some of which are rare. Each case is presented as a diagnostic and management challenge as found in clinical practice. High quality clinical photographs and images bring the cases to life alongside the diagnostic process and management decisions of an experienced specialist. [...] 

Contents
Section 1: The orbit and muscles (cases 1 – 7).- Section 2: The nerve (cases 8 – 20).- Section 3: The apex to the saddle (cases 21 – 33).- Section 4: The brain stem (cases 34 – 42).- Section 5: The cortex (cases 43 – 50).

Epilepsy Board Review
A Comprehensive Guide
M. Z. Koulbeissi, George Washington University Director, Epilepsy Center, Washington, DC; N. J. Azar, Intra-operative Neuro-monitoring Program Vanderbilt University Medical Center, Nashville, TN, USA (Eds)

This concise text mirrors the content of the Epilepsy Board as distributed by the American Board of Psychiatry and Neurology. Epilepsy diagnosis, classification and treatment are thoroughly covered, along with seizure classification, epidemiology, normal and abnormal EEG, and treatment with antiepileptic medications and other modalities. [...] 

Contents
Ch. 1: Physiologic Basis of EEG and Epilepsy.- Ch. 2: EEG instrumentation, Montage, Polarity, and Localization.- Ch. 3: Normal EEG Variants and Artifacts.- Ch. 4: Neonatal EEG and Neonatal Seizures.- Ch. 5: MCQ.- Ch. 6: Ictal and Interictal EEG.- Ch. 7: EEG and Semiology in Generalized Epilepsies.- Ch. 8: EEG and Semiology in Focal Epilepsy.- Ch. 9: Status Epilepticus.- Ch. 10: EEG in Encephalopathy and Coma.- Ch. 11: MCQ. [...] 

Transient Global Amnesia
From Patient Encounter to Clinical Neuroscience
A. J. Larner, Walton Centre for Neurology and Neurosurgery, Liverpool, UK

This brief, accessible book covers all aspects of transient global amnesia (TGA). First, it deals with the history of TGA before moving on to clinical and diagnostic features, and differential diagnosis. The investigation and management of TGA is then discussed, followed by treatment and prognosis. [...] 

Contents
History of TGA.- Clinical features, diagnostic criteria, and possible variants of TGA.- Differential diagnosis of TGA.- Investigation and management of TGA.- Prognosis of TGA.- Epidemiology of TGA.- Aetiopathogenesis of TGA.
Stroke Revisited: Diagnosis and Treatment of Ischemic Stroke
S. Lee, Seoul National University Hospital Department of Neurology, Seoul (Ed)

This book presents state of the art knowledge on stroke management in a unique organizational style. Ischemic stroke is extensively covered, with inclusion of overviews that dynamically describe all relevant diagnostic and therapeutic processes in a time sequence mirroring real practice. [...] 

Contents

Series Title
Stroke Revisited

Restless Legs Syndrome/Willis Ekbom Disease
Long-Term Consequences and Management
M. Manconi, Civic Hospital, Lugano; D. Garcia-Borreguero, Sleep Research Institute, Madrid, Spain (Eds)

Due to the fact that Restless Legs Syndrome/Willis-Ekbom Disease is usually a chronic condition, this book aims to provide physicians with the necessary tools for the long-term management of patients with RLS. The first part of the book addresses the various comorbidities and long-term consequences of RLS on life quality, sleep, cognitive, psychiatric and cardiovascular systems, while the second part [...] 

Contents

Disorders of Movement
A Guide to Diagnosis and Treatment
D. Martino, King’s College Hospital NHS Foundation Neurology Department, London, UK; A. J. Espay, University of Cincinnati, Cincinnati, OH, USA; A. Fasano, University of Toronto Division of Neurology, Toronto, Canada; F. Morgante, University of Messina Dept of Clinical & Experimental Medicine, Messina

This concise but comprehensive book will help interested readers in the health care professions to navigate their way through the jungle of movement disorders, including the potentially complex differential diagnosis and management. [...] 

Contents

August 2017
XIX, 375 p. 70 illus., 31 illus. in color. Hardcover.
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ISBN 978-3-662-48466-1

All Language Rights Available
Pediatric Electromyography
Concepts and Clinical Applications
H. J. McMillan, University of Ottawa, Ottawa, ON, Canada; P. B. Kang, University of Florida College of Medicine, Gainesville, FL, USA (Eds)

This book describes how to perform nerve conduction studies and electromyography in children, and explains the relevant physiology and anatomy crucial to making a diagnosis. [...] 

Contents

Debates About Neuroethics
Perspectives on Its Development, Focus, and Future
E. Racine, IRCM, Université de Montréal, and McGill University, Montréal, QC, Canada; J. Aspler, IRCM and McGill University, Montréal, QC, Canada (Eds)

This is the first book entirely dedicated to exploring issues associated with the nature of neuroethics. [...] 

Contents
History and foundations of neuroethics (What is neuroethics?).- Theories and methodologies in neuroethics (How does neuroethics “work”?)- Training and research programs in neuroethics (How are neuroethicists trained?).- Networking and capacity building in neuroethics (How does neuroethics reach out?).

Series Title
Advances in Neuroethics

Stroke Genetics
P. Sharma, Institute of Cardiovascular Research Royal Holloway College, University of London Imperial College London Healthcare NHS Trust, London, UK; J. F. Meschia, Mayo Clinic, Jacksonville, FL, USA (Eds)

This revised, expanded second edition updates the reader on this fast moving field as well providing an overall understanding of the genetics of complex diseases by using stroke as a paradigm. [...] 

Contents
Bedside Approach to Autonomic Disorders
A Clinical Tutor
W. Struhal, Karl Landsteiner University of Health Sciences, Site Tulln, Tulln; H. Lahrmann, Private Office, Vienna; A. Fanciulli, Innsbruck Medical University, Innsbruck; G. K. Wenning, Innsbruck Medical University, Innsbruck (Eds)

This book is a guide to the everyday clinical management of disorders of the autonomic nervous system, from identification of the key symptoms of autonomic involvement and comprehensive history taking to choice of treatment. [...] 

Contents

Neuro-Geriatrics
A Clinical Manual
B. Toussil, Cleveland Clinic, Neurological Institute, Cleveland, OH; J. Cummings, Cleveland Clinic, Las Vegas, NV (Eds)

This manual takes a multidisciplinary approach to neurological disorders in the elderly. Comprehensive and practical, it includes the most recent diagnostic criteria and immediately accessible visual care paths including the latest pharmacologic and non-pharmacologic interventions. [...] 

Contents

Seizures in Critical Care
A Guide to Diagnosis and Therapeutics
P. N. Varelas, Henry Ford Hospital, Detroit, MI, USA; J. Claassen, Columbia University College of Physicians & Surgeons, New York, NY, USA (Eds)

Updated and expanded to provide the neurologic, intensive and critical care communities a comprehensive guide to common critical care illnesses and seizures, this third edition remains the premier resource on seizures in critical care. [...] 

Contents
- GENERAL SECTION. - Chapter 1: Status Epilepticus. - Lessons and Challenges from Animal Models. - Chapter 2: Impact of Seizures on Outcome. - Chapter 3: Diagnosing and Monitoring seizures in the ICU: The role of continuous EEG for detection and management of seizures in critically ill patients, including the ictal-interictal continuum. - Chapter 4: Seizures and Quantitative EEG. - Chapter 5: Spreading depolarizations and seizures in clinical subdural electrocorticographic recordings. - Chapter 6: Multimodality Monitoring Correlates of Seizures. [...] 

Series Title
Current Clinical Neurology
Refractory Status Epilepticus
Diagnosis and Treatment
X. Wang, The First Affiliated Hospital of Chongqing Medical University, Chongqing; S. Li, Peking University & UN Consultative Committee on Life Science and Human Health (CCLH), Beijing, China (Eds)

This book aims to offer the accumulated fertile experience of treating drug-resistant epileptic patients collected over the past few decades, focusing on aspects of neurology, neurosurgery, emergency care, critical care medicine and basic medical research. [...] 

Contents
Epilepsy, status epilepticus, refractory status epilepticus.- Pathogenesis of refractory status epilepticus.- Brain damage caused by status epilepticus.- The clinical features of refractory status epilepticus in various conditions.- The application of electroencephalogram in status epilepticus.- The clinical practice of drugs commonly used in refractory status epilepticus.- The non-drug treatment of refractory status epilepticus.- Treatment strategies of refractory status epilepticus. [...] 

September 2017
X, 348 p. 17 illus., 16 illus. in color. Hardcover. 178 x 254 mm
£ 82.00 | € 109.99
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All Language Rights Available

Pediatric Demyelinating Diseases of the Central Nervous System and Their Mimics
A Case-Based Clinical Guide
E. Waubant, Regional Pediatric MS Clinic at UCSF University of California San Francisco, San Francisco, CA, USA; T. Lotze, Baylor College of Medicine Pediatric Neurology Residency Training P, Houston, TX, USA (Eds)

This collection of pediatric clinical cases focuses on multiple sclerosis, neuromyelitis optica, acute disseminated encephalomyelitis and mimics. Dedicated sections on diseases affecting the brain, brainstem, spinal cord and the optic nerve feature chapters that include the diagnostic work up, therapeutic management and case outcome. [...] 

Contents

August 2017
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ISBN 978-3-319-56453-1
All Language Rights Available

Genetic Neuromuscular Disorders
A Case-Based Approach
C. Angelini, Università di Padova, Dipartimento di Neuroscienze, Padova, Venice

This updated and expanded new edition of a successful book describes genetic diagnostic entities of neuromuscular disorders. Neuromuscular syndromes are presented clinically either as a case study or as an overview from the literature, accompanied by text presenting molecular defects, and differential diagnosis. [...] 

Contents
Muscular Dystrophies.- Congenital Myopathies.- Ion Channel Disorders.- Metabolic Myopathies.- Neurogenic Disorders. [...] 

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ISBN 978-3-319-56453-1
All Language Rights Available
Neurology at the Bedside
D. Kondziella, University of Copenhagen; G. Waldemar, University of Copenhagen

This updated and expanded new edition takes neurology trainees by the hand and guides them through the whole patient encounter - from an efficient neurological history and bedside examination through to differential diagnosis, diagnostic procedures and treatment. At each step the expert authors point out what is essential and what is not. [...] 

Contents
What to expect from this book (and what not to).- Clinical history and neuroanatomy “Where is the lesion?”.- Neurological bedside examination “Can I confirm my anatomical hypothesis?”.- Differential diagnosis “What is the lesion?”.- Ancillary investigations.- Treatment of neurological disorders.

June 2017
XXVII, 337 p. 133 illus., 72 illus. in color. Softcover. 178 x 254 mm
£ 82.00 | € 109,99 ISBN 978-3-319-55990-2

All Language Rights Available

Neuropsychological Assessments of Dementia in Down Syndrome and Intellectual Disabilities
V. P. Prasher, Visiting Professor of Neuropsychiatry, Birmingham, UK (Ed)

This fully updated and expanded second edition of a successful book reviews the most important neuropsychological measures currently used in the assessment of dementia by the principal clinicians and researchers associated with the tests. [...] 

Contents
Overview of the diagnostic instruments for dementia in people with intellectual disability.- Issues in Dementia Assessment.- The Dementia Questionnaire for persons with intellectual disabilities (DMR).- Dementia Scale for Down Syndrome.- The Dyspraxia Scale for adults with Down syndrome.- Adaptive Behavior Change and Dementia in Down Syndrome: Case Classification using the Adaptive Behavior Scale.- The Cambridge Examination for Mental Disorders of Older People with Down’s Syndrome and Others with Intellectual Disabilities (CAMCOG-DS).

August 2017
X, 305 p. 22 illus., 2 illus. in color. Softcover. 155 x 235 mm
£ 82,00 | € 109,99 ISBN 978-3-319-61719-0

All Language Rights Available

Atlas of Infections in Neurosurgery and Spinal Surgery
A. Akhaddar, Mohammed V University in Rabat, Marrakech, Morocco

This Atlas is the first reference Atlas covering exclusively all aspects of this multifaceted topic. [...] 

Contents

July 2017
XIX, 343 p. 432 illus., 315 illus. in color. Hardcover. 210 x 279 mm
£ 163,00 | € 219,00 ISBN 978-3-319-60085-7

All Language Rights Available
Hydrocephalus
What do we know? And what do we still not know?

A. Ammar, King Fahd University Hospital
Dammam University, Al Khobar (Ed)

This book provides the reader with a well-structured, comprehensive approach to hydrocephalus and related syndromes. It also addresses the ethical dilemmas of managing hydrocephalus, of which many neurosurgeons are unaware, and presents cutting-edge research genetic and pathophysiology research on hydrocephalus. [...]”

Contents

Brain Arteriovenous Malformations
Pathogenesis, Epidemiology, Diagnosis, Treatment and Outcome

V. Beneš, Institute of Clinical Neurosciences, Military University Hospital and First Faculty of Medicine, Charles University, Prague, Czech Republic; O. Bradáč, Institute of Clinical Neurosciences, Military University Hospital and First Faculty of Medicine, Charles University, Prague, Czech Republic (Eds)

This book reviews the natural course of arteriovenous malformation (AVM) disease and the active treatment modalities. These are compared with surgical and neuropsychological results achieved at the Military University Hospital, Prague, Czech Republic. Based on these comparisons, treatment recommendation for AVM is articulated. [...]”

Contents
Introduction.- Motivation to this study.- AVM definition and angioarchitecture.- Feeding arteries.- Associated aneurysms.- Nidus component.- Draining veins.- Genetics of arteriovenous malformations.- Epidemiology of AVM.- Physiology of arteriovenous malformations.- Arterial side.- Steal phenomenon.- Normal perfusion pressure breakthrough. [...]”

Atlas of Craniocervical Junction and Cervical Spine Surgery

S. Boriani, Bologna; L. Presutti, Modena; A. Gasbarrini, Bologna; F. Mattioli, University Hospital of Modena, Modena (Eds)

This atlas documents current surgical approaches to the craniocervical junction and the cervical spine, providing step-by-step guidance on procedures and cervical spine stabilization techniques. [...]”

Contents

September 2017
VI, 382 p. 134 illus., 100 illus. in color. With online files/update. Hardcover. 155 x 235 mm £ 66,99 | € 89,99 ISBN 978-3-319-61303-1

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September 2017
VIII, 308 p. 224 illus., 77 illus. in color. Hardcover. 178 x 254 mm £ 117,00 | € 156,99 ISBN 978-3-319-63963-5

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May 2017

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Modern Thoraco-Lumbar Implants for Spinal Fusion
R. Delfini, Sapienza University of Rome, Rome; A. Landi, Sapienza University of Rome, Rome; C. Mancarella, Sapienza University of Rome, Rome; F. Gregori, Sapienza University of Rome, Rome (Eds)

This book presents an updated perspective on spinal implants currently used in thoraco-lumbar spine surgery, leading to a rigid or dynamic spine fusion. The development of new surgical devices and techniques is mostly focused on a spinal fusion for lumbar instability due to trauma, tumours or degenerative or infectious diseases. [...] 

Contents

Endoscopic and Keyhole Cranial Base Surgery
J. J. Evans, Thomas Jefferson University Cranial Base and Pituitary Surgery, Philadelphia, PA; T. J. Kenning, Albany Medical Center Pituitary and Cranial Base Surgery, Albany, NY; C. Farrell, Thomas Jefferson University Neurosurgery, Philadelphia, PA; V. Kshettry, Cleveland Clinic Brain Tumor and Neuro-Oncology Center, Cleveland, OH (Eds)

The first two sections of this text address endoscopic and keyhole surgical procedures for cranial base and deep brain structures. These sections provide a comprehensive, state-of-the-art review of this minimally invasive field and will serve as a valuable resource for clinicians, surgeons and researchers with an interest in cranial base surgery. [...] 

Contents

Modern Concepts of Peripheral Nerve Repair
K. Haastert-Talini, Institute of Neuroanatomy and Cell Biology, Hannover; H. Assmus, Schriesheim; G. Antoniadis, University of Ulm, Günzburg (Eds)

This book focuses on posttraumatic repair and reconstruction of peripheral nerves. Written by internationally respected specialists, it provides an overview of the challenges and the latest advances in diagnosis and treatment of traumatic peripheral nerve injuries. [...] 

Contents
The peripheral nerve - neuroanatomical principles.- State-of-the-art diagnosis of peripheral nerve trauma.- Timing and decision-making in treating peripheral nerve trauma.- Conventional strategies for nerve repair.- Surgical Techniques in the lesions of peripheral nerves.- Specific challenges in brachial plexus surgery.- Alternative strategies for nerve reconstruction.- Clinical follow-up.- Rehabilitation.- Peripheral nerve tissue engineering – an outlook on experimental concepts.

October 2017
X. 930 p. 370 illus., 287 illus. in color. Hardcover. 210 x 279 mm
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ISBN 978-3-319-52318-7

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Handbook of Neuroendovascular Techniques
S. H. Khan, Michigan State University, Flint, MI, USA; A. J. Ringer, Mayfield Clinic, CINCINNATI, OH, USA

This handbook provides step-by-step instructions enabling even a novice in the field of interventional neuroradiology/endovascular neurosurgery to perform a procedure. It covers the breadth of mainstream endovascular techniques. This manual provides lucid, readily accessible and pertinent hands-on information. [..]

Contents

Navigated Transcranial Magnetic Stimulation in Neurosurgery
S. M. Krieg, Klinikum rechts der Isar, München (Ed)

This book is the first comprehensive work summarizing the advances that have been made in the neurosurgical use of navigated transcranial magnetic stimulation (nTMS) over the past ten years. [..]

Contents
Basic principles of nTMS.- nTMS motor mapping.- Basic principles and clinical use.- Fiber tracking.- Risk stratification.- nTMS language mapping.- Basic principles and clinical use.- Fiber tracking.- Risk stratification.- Other brain functions.- Therapeutic applications in neurosurgery.- Pain.- Paresis.- Special aspects on nTMS in children.- Outlook on the potential of nTMS.- Integration of functional data in the clinical workflow.- Methodological advantages and disadvantages of nTMS compared to MEG and fMRI.

Spinal Deformity
A Case-Based Approach to Managing and Avoiding Complications
P. Mummaneni, University of California San Francisco, San Francisco, CA, USA; P. Park, University of Michigan, Ann Arbor, MI, USA; C. Crawford, Norton Leatherman Spine Center, Louisville, KY, USA; A. Kanter, UPMC Presbyterian, Pittsburgh, PA, USA; S. Glassman, Norton Leatherman Spine Center, Louisville, KY, USA (Eds)

Although there are a number of excellent books dedicated to spinal deformities, this text employs a case-based format which offers the advantage of easy readability. This format will allow the reader to better synthesize the dense information encompassing spinal deformity complications and pearls to avoid them. [..]

Contents
The Broca-Wernicke Doctrine
A Historical and Clinical Perspective on Localization of Language Functions
G. Rutten, St Elisabeth-Tweesteden Hospital, Tilburg, The Netherlands

This book discusses theories that link functions to specific anatomical brain regions. The best known of these are the Broca and Wernicke regions, and these have become synonyms for the location of productive and receptive language functions respectively. This Broca-Wernicke model has proved to be such a powerful concept that remains the predominant view in modern clinical practice. [...] 

Contents

July 2017
XVII, 306 p. 111 illus., 38 illus. in color. Hardcover.
155 x 235 mm
£ 97.00 | € 129.99
ISBN 978-3-319-54632-2

All Language Rights Available

Neurobrucellosis
Clinical, Diagnostic and Therapeutic Features
M. Turgut, Adnan Menderes University School of Medicine, Aydin, Turkey; F. S. Haddad, American University of Beirut Medical Center, Beirut, Lebanon; O. de Divitiis, University of Naples Federico II School of Medicine and Surgery, Naples (Eds)

This book provides an in-depth review of knowledge of neurobrucellosis, which remains common despite significant improvements in preventive measures, neuroradiological techniques, and treatment methods. [...] 

Contents

June 2017
XVII, 182 p. 42 illus., 32 illus. in color. Hardcover.
178 x 254 mm
£ 59.99 | € 79.99
ISBN 978-3-319-24637-6

All Language Rights Available

Surgery of the Skull Base
Practical Diagnosis and Therapy
A. König, Städtisches Klinikum Karlsruhe; U. Spetzger, Klinikum Karlsruhe (Eds)

This book discusses all aspects of skull base surgery, from a neurosurgical point of view. The therapeutic options in the treatment of skull base lesions are explained and a systematic overview of relevant diseases is included. [...] 

Contents

September 2017
X, 310 p. 299 illus., 213 illus. in color. Hardcover.
193 x 260 mm
£ 117.00 | € 156.99
ISBN 978-3-319-64017-4

All Language Rights Available
The Role of Nurses in Disaster Management in Asia Pacific
S. Bonito, University of the Philippines Open University, Manila, Philippines; H. Minami, University of Kochi, Kochi, Japan (Eds)

This book documents how nurses have shown their dedication, courage, expertise and compassion in helping communities prepare for, respond to and recover from disastrous events. It aims to inspire and equip nurses and other health professionals to help people in disaster-affected areas and contribute to community resilience. [...] 

Contents
Intervention Effectiveness Research: Quality Improvement and Program Evaluation
K. A. Monsen, University of Minnesota System School of Nursing, Minneapolis, MN

Do interventions improve health outcomes? This volume provides a model and roadmap to answer clinical questions related to intervention effectiveness research, quality improvement, and program evaluations. It offers clear and simple guidance for all phases of a clinical inquiry projects from planning through dissemination and communication of results and findings. [...] Contents

Dementia in Nursing Homes
S. Schüssler, Medical University of Graz
Institute of Nursing Science, Graz; C. Lohrmann, Medical University of Graz
Institute of Nursing Science, Graz (Eds)

Written by leading international experts, this book discusses the latest advances in the field of dementia in nursing homes. The topics and findings covered are based on their survey and on a scientific literature review. Dementia is spreading worldwide, placing a growing burden on healthcare systems and caregivers, as well as those affected. [..]

Contents
Chapter 1. Psychosocial interventions.-
Chapter 2. Behavioral symptoms/ problems.-
Chapter 3. Meaningful activities.-
Chapter 4. Quality of life.-
Chapter 5. Patient-/person centered care.-
Chapter 6. Staff training and education.-
Chapter 7. Inclusion and support of family members.-
Chapter 8. Pain, pain management.-
Chapter 9. End of life, hospice, palliative care, advanced care planning.-
Chapter 10. Communication. [..]

June 2017
VI, 248 p. 13 illus., 9 illus. in color. Hardcover.
155 x 235 mm
£ 33.99 | € 44.99
ISBN 978-3-319-49830-0

All Language Rights Available

Neurocritical Care for the Advanced Practice Clinician
J. L. White, Yale New Haven Hospital, New Haven, CT, USA; K. N. Sheth, Yale School of Medicine, New Haven, CT, USA (Eds)

By utilizing a review of case-based studies and providing concise management recommendations from leaders in the field, this book provides essential knowledge for those practicing in a dynamic specialty. In the rapidly developing field of Neurocritical Care, Advanced Practice Clinicians have become an integral component of the multi-disciplinary team. [..]

Contents
Role of APC’s in the Neuro ICU.-
Neuroanatomy.-
Neuroradiology.-
Subarachnoid Hemorrhage.-
Intracerebral Hemorrhage.-
Acute Ischemic Stroke: NIHSS and tpa.-
Intra-arterial intervention.-
Malignant Ischemic Stroke and hemicraniectomy.-
Hypoxic Ischemic Encephalopathy after Cardiac Arrest.-
Traumatic Brain Injury.-
Spinal Cord Injury.-
Cerebral Venous Thrombosis.-
Neurological Infections.-
Brain Tumors.-
Intracranial Pressure Management.-
Seizures and Status Epilepticus. [..]

August 2017
XI, 470 p. 68 illus., 28 illus. in color. Hardcover.
127 x 190 mm
£ 39.99 | € 52.99
ISBN 978-3-319-48667-3

All Language Rights Available

First-Trimester Ultrasound
A Comprehensive Guide
J. S. Abramowicz, Wayne State University School of Medicine, Detroit, MI, USA (Ed)

This book offers a unique and focused study of the use of ultrasound during the first trimester, a critical time in a fetus’ development. It includes basic examination guidelines as well as cutting-edge ultrasound modalities, including Doppler and three-dimensional ultrasound, for the period immediately preceding conception through early embryology. [..]

Contents
Ultrasound in the First Trimester and Earlier: How to Keep It Safe.-
Ultrasound and Infertility.-
Maternal Co-Morbidities and First Trimester: Ultrasound Examination.-
First-Trimester Embryology: An Overview.-
Elements of Teratology.-
First-Trimester Ultrasound: Guidelines.-
Normal First Trimester of Pregnancy.-
Aneuploidy Screening: The Ongoing Role of First-Trimester Ultrasound.-
Fetal Biometry in Early Pregnancy.-
Threshold, Discriminatory Zone, and “The New Rules”.- The Fetal Heart in Early Pregnancy.-
Doppler Sonography in Early Pregnancy. [..]

September 2017
XII, 408 p. Softcover.
178 x 254 mm
£ 171.00 | € 189.99
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Oxidative Stress in Human Reproduction
Shedding Light on a Complicated Phenomenon
A. Agarwal, Cleveland Clinic, Cleveland, OH, USA; R. Sharma, Cleveland Clinic, Cleveland, OH, USA; S. Gupta, Cleveland Clinic, Cleveland, OH, USA; A. Harlev, Soroka University Medical Center Ben-Gurion University of the Negev, Sansana, Israel; G. Ahmad, Prince Sattam Bin Abdulaziz University, Al Kharij, KSA, Saudi Arabia; S. S. du Plessis, Stellenbosch University, Tygerberg, South Africa; S. C. Esteves, Androfert Referral Center for Male Reproduction, Campinas, Brazil; S. M. Wang, Cleveland Clinic, Cleveland, OH, USA; D. Durairajanayagam, Universiti Teknologi MARA, Sungai Buloh, Malaysia (Eds)

This book discusses the role of oxidative stress in the reproductive system. The book reviews endogenous sources, methods of determining its levels in body fluid/tissues, the physiological roles of ROS, as well as its negative effects on the human reproductive processes. [...] 

Contents
Overview and Sources of Reactive Oxygen Species (ROS) in the Reproductive System.- Methods to Measure ROS and Total Antioxidant Capacity (TAC) in the Reproductive System. [...] 

The Diagnosis and Treatment of Male Infertility
A Case-Based Guide for Clinicians
N. Aziz, Liverpool Women’s Hospital, Liverpool, UK; A. Agarwal, Cleveland Clinic, Cleveland, OH, USA (Eds)

This case-based guide is written from the clinician’s perspective, dealing with a defined male infertility problem, tracing the actual clinical pathway arriving at the diagnosis, and discussing the treatment options and the likely outcome. [...] 

Contents

Recurrent Pregnancy Loss
Evidence-Based Evaluation, Diagnosis and Treatment
A. Bashiri, Department of Obstetrics and Gynecology, Soroka University Medical Center, Faculty of Health Sciences, Ben-Gurion University of the Negev, Be’er Sheva, Israel; A. Harlev, Recurrent Pregnancy Loss Clinic Fertility and IVF Unit Department of Obstetrics and Gynecology, Soroka University Medical Center, Ben Gurion University of the Negev, Be’er Sheva, Israel, Be’er Sheva, Israel; A. Agarwal, Cleveland Clinic, Cleveland, OH, USA (Eds)

Providing the latest evidence-based information on etiology, evaluation and treatment, this unique text provides an in-depth, comprehensive discussion of the epidemiology, genetic and endocrinologic factors and medical and surgical management of recurrent pregnancy loss (RPL). [...] 

Contents

May 2017
XIV, 190 p. 38 illus., 26 illus. in color. Hardcover. 155 x 235 mm
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ISBN 978-3-319-27450-8
All Language Rights Available
Pre-Menopause, Menopause and Beyond
Volume 5 Frontiers in Gynecological Endocrinology
M. Birkhäuser. University of Bern
Department of Obstetrics and Gynecology, Bern; A. R. Genazzani, ISGE Society, Pisa (Eds)

This volume represents an up-to-date overview on pre-Menopause and Menopause, with their respective clinical implications and therapies. [...] 

Contents
Part I Menopause: symptoms and neuroendocrine impact Intracrinology made menopause possible.- From menopause to aging; endocrine and neuroendocrine biological changes.- Brain impact of sex steroids withdrawal of the menopause.- Climacteric symptoms: importance and management.- Part II Fertility 2016 IMS Recommendations on women's midlife health, “POI” and menopause hormone therapy (MHT).- Female infertility and autoimmunity.- Is IVF/ICSI/ET reasonable beyond the female age of 40 years?.- IVF: new developments in patient tailored ovarian stimulation. [...] 

Series Title
ISGE Series

Menopause
A Comprehensive Approach
A. Cano. University of Valencia Dept. of Pediatrics, Obs and Gynecology, Valencia (Ed)

This book provides an evidence-based approach to the universal experience of menopause. Its structured format clearly separates the biological basis from the clinical impact and quality of life, while also examining menopause within the context of healthy ageing in females. Accordingly, the book addresses factors including lifestyle, frailty, sarcopenia, and new ICT technologies. [...] 

Contents

Series Title
ISGE Series

Development of In Vitro Maturation for Human Oocytes
Natural and Mild Approaches to Clinical Infertility Treatment
R. Chian. McGill University, Longueuil, QC, Canada; G. Nargund. St. George’s Hospital, London, UK; J. Y. J. Huang. Stanford University, Palo Alto, CA, USA (Eds)

An ideal reference for infertility specialists and reproductive endocrinologists alike, this comprehensive text discusses current natural and mild approaches to in vitro fertilization (IVF) and the development of in vitro maturation (IVM) as a clinical treatment. It is divided thematically into four sections. [...] 

Contents

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Female Sexual Function and Dysfunction
E. Costantini, University of Perugia, Perugia; D. Villari, University of Florence, Florence; M. T. Filocamo, SS Annunziata Hospital, Savigliano (Eds)

This book discusses all aspects of sexuality in women and in particular explores sexual function and dysfunction in a variety of settings, including the different stages of life and a wide range of major diseases and local conditions. [...] 

Contents
Sociocultural Considerations.- Anatomical and physiological description of women sexuality.- Female Sexuality: a state of mind.- Evaluation Systems of female sexual function.- Women's sexuality across the different stages of reproductive life.- Endometriosis and Sexuality.- POP and impact of surgery on female sexual life.- Urinary incontinence and Mid-urethral slings: which is the impact on female sexuality?- Sexual abuse: with reproductive difficulties.- Sexual abuse of alcohol and drug abuse. [...] 

Atlas of Imaging in Infertility
A Complete Guide Based in Key Images
L. R. M. F. de Souza, Universidade Federal do Triangulo Mineiro, Uberaba, Brazil; A. L. A. De Nicola, Santa Casa Medical School, Sao Paulo, Brazil; H. De Nicola, Sao Paulo Hospital, Sao Paulo, Brazil (Eds)

This atlas gathers the most frequent imaging findings concerning alterations that cause infertility in both males and in females. Also, it discusses how the images should be analyzed and described, to serve as a guide for the physicians who request and perform these imaging tests. [...] 

Contents

Biomarkers for Endometriosis
State of the Art
T. D’Hooghe, Biomedical Sciences, Department Development and Regeneration, KU Leuven (University of Leuven), Belgium, Darmstadt (Ed)

This book presents an overview of the diagnostic performance of non- or semi-invasive tests for endometriosis in peripheral blood, endometrium, saliva, peritoneal fluid and urine. The value of existing and emerging systems biology technologies for biomarker development is addressed in several chapters on genetics, microarrays, proteomics and metabolomics. [...] 

Contents
Biomarker development: general concepts and state of the art in medicine.- Biomarker development in chronic inflammatory diseases.- Biomarker development in cancer.- Biomarker development in ovulation disorders.- Biomarker development in endometrial cancer.- Biomarker development in breast cancer.- Biomarker development in reproductive medicine.- Industry perspective on biomarker development in medicine.- Biomarker development in endometriosis.- Health economic impact of endometriosis.- Patient perspective on biomarker development for endometriosis.- Genetic biomarkers for endometriosis. [...]
Clinical Reproductive Medicine and Surgery
A Practical Guide
T. Falcone, Cleveland Clinic, Cleveland, OH; W. W. Hurd, Duke University Medical Center, Durham, NC (Eds)

Now in a completely revised and expanded third edition, including six new chapters, this user-friendly textbook offers a succinct overview of both the medical and surgical management of reproductive disorders, as well as coverage of associated imaging modalities. [...]

Contents

Series Title
Medical Textbooks

Good Practice in Pediatric and Adolescent Gynecology
A. M. Fulghesu, University of Cagliari Department of Obstetrics and Gynecology, Cagliari (Ed)

This volume focuses on a period in women's lives that is particularly important in the context of preventing major sexual and reproductive diseases. Recommendations by the Italian Society of Pediatric and Adolescent Gynecology, form the basis of this up-to-date and practical book. [...] 

Contents
Diagnosis and treatment of genital malformations in infancy and adolescence.- Hyperandrogenism and PCOS in adolescence clinical and ultrasound characteristics.- Pubertal Delay.- Menstrual cycle disorders in post pubertal years.- Dysmenorrhea.- Heavy menstrual bleeding in adolescence.- Genital infections in adolescence.- Vulvovaginitis in childhood.- Ovarian Cysts in adolescence.- Gonadal failure, First contraceptive prescription.- Sexual abuse and genital trauma.- Genital mutilations.

Series Title
ISGE Series

Frontiers in Gynecological Endocrinology
Volume 3: Ovarian Function and Reproduction - From Needs to Possibilities
A. R. Genazzani, International Society of Gynecology Endocrinology, Pisa; B. C. Tarlatzis, Aristotle University of Thessaloniki Medical School, Thessaloniki, Greece (Eds)

This volume represents an up-to-date overview on ovarian functions and reproduction, providing the reader with the latest advances in gynecological endocrinology. It is published within the International Society of Gynecological Endocrinology (ISGE) Series, and is based on the 2015 International School of Gynecological and Reproductive Endocrinology Winter Course. [...] 

Contents
From Ovulation To Assisted Reproduction: New Insight And Strategies: Luteal-Phase Stimulation.- Management Of Luteal Phase In Ivf Cycles.- Genomics And Ovarian Response.- Management Of Poor Responders.- Gene Expression In Cumulus Cells And Oocyte Quality. [...] 

Series Title
ISGE Series
Uterine Adenomyosis
M. Habiba, University Hospitals of Leicester, Leicester, UK; G. Benagiano, Sapienza University, Rome (Eds)

Recent advances in imaging have renewed interest in uterine adenomyosis. The disease can now be diagnosed before hysterectomy which has advanced our understanding of its clinical impact, such as its effect on fertility. This book will provide an in-depth reference to recent scientific advances in the pathophysiology of uterine adenomyosis. [..]

Contents

Varicocele and Male Infertility
Current Concepts, Controversies and Consensus
A. Hamada, TUFTS Medical School St. Elizabeths Medical Center, Boston, USA; S. C. Esteves, ANDROFERT, Andrology and Human Reproduction Clinic, Campinas, Brazil; A. Agarwal, American Centre for Reproductive Medicine Cleveland Clinic, Cleveland, OH, USA

This SpringerBrief analyzes varicocele from a novel approach, and provides the reader with a comprehensive view of its scientific and clinical significance. [..]

Contents

Series Title
SpringerBriefs in Reproductive Biology

Perineal Trauma at Childbirth
K. M. K. Ismail, University of Birmingham, Birmingham, UK (Ed)

This book aims to address all degrees of perineal trauma as well as interventions to reduce the risk of their occurrence and management of future pregnancies. Perineal trauma affects a significant number of women worldwide every year. The inadequate assessment and management of perineal trauma can cause significant complications to women at a very critical time of their life. [..]

Contents
Perineal Trauma: A Historical And International Perspective.- Anatomy and Physiology of the pelvic floor.- Perineal mapping.- Risk factors for Perineal Trauma.- Intrapartum Interventions and Risk of Perineal Trauma.- Assessment and Postnatal Management of Genital Tract Trauma.- The Role of Imaging in assessing Perineal Trauma.- Perineal Trauma and its impact on Women's Health.- Perineal Trauma and Pelvic Floor Muscle Training.- Management of Perineal Trauma Complications: The Role of the MDT.- Role of Training to reduce Perineal Trauma at an Organisational Level.
Precision Medicine in Gynecology and Obstetrics
I. Konishi, National Kyoto Medical Center, Kyoto, Japan (Ed)

This volume presents the scientific advances and current status of our understanding of precision medicine for common diseases in gynecology and obstetrics. Standard treatments based on clinical guidelines in the field have been established for decades, and those are essential to daily clinical practice. [...] 

Contents

Series Title
Comprehensive Gynecology and Obstetrics

Management and Therapy of Late Pregnancy Complications
Third Trimester and Puerperium
A. Malvasi, Santa Maria Hospital, G.V.M. Care and Research, Bari; A. Tinelli, Technology and Minimally Invasive Therapy, Vito Fazzi Hospital, Piazza Muratore, Lecce; G. C. Di Renzo, Santa Maria della Misericordia University, Hospital, Perugia (Eds)

This book draws on recently acquired knowledge to provide the reader with comprehensive, up-to-date information on the full range of obstetric complications that may be encountered during the third trimester of pregnancy and puerperium. For each complication, risk factors and clinical presentation are described and detailed guidance is provided on the appropriate treatment. [...] 

Contents

Series Title
Clinical Casebooks

Uterine Fibroids
A Clinical Casebook
N. S. Moawad, University of Florida Minimally Invasive Gynecologic Surgery, Gainesville, FL, USA (Ed)

Comprised of clinical cases presenting diverse clinical scenarios of uterine fibroids, this concise, practical casebook will provide clinicians in reproductive medicine and obstetrics/gynecology with the best real-world strategies to properly diagnose and treat the various presentations of fibroids they may encounter in daily clinical practice. [...] 

Contents
Pathogenesis, Classification, Histopathology and Symptomatology of Fibroids.- Uterine Fibroids and Effect on Fertility.- Treatment Modalities for Fibroids, Indications, Risks and Benefits.- An 8 Cm Subserosal Fibroid in a Patient with Unexplained Infertility and Pain.- Large Asymptomatic FIGO Type 3-5 Fibroid and Primary Infertility.- 26-Week Fibroid Uterus, Hydroureter, Hydronephrosis and Infertility.- Submucosal Fibroid, Menorrhagia, Anemia and Dysmenorrhea.- Intramural Fibroid Impinging on the Uterine Cavity.- The Prolapsed Myoma. [...] 

Series Title
Clinical Casebooks
Infertility in Women with Polycystic Ovary Syndrome
Pathogenesis and Management
S. Palomba. Unit of Reproductive Medicine & Surgery - ASMN-IRCCS of Reggio Emilia, Reggio Emilia (Ed)

This book presents up-to-date knowledge on infertility in the context of polycystic ovary syndrome (PCOS) and provides clear evidence-based guidance on its treatment. The book opens by discussing anovulation, oocyte quality, and the endometrium in women with PCOS, infertility and subfertility cofactors, and the impact of PCOS phenotypes on fertility. [...] 

Contents

Preventing Age Related Fertility Loss
D. Stoop, UZ Brussel, Brussels, Belgium (Ed)

This unique book provides expert advice on all the different aspects related to fertility preservation for age related infertility. Although, there is a lot of information available on the Internet and in books about fertility preservation for cancer treatment, little information is available for young women that are confronted with a ticking biological clock. [...] 

Contents
Female age and reproductive chances.- Preliminary assessment prior to oocyte cryopreservation.- Psychological counselling and alternative options.- Harvesting oocytes for cryopreservation.- Oocyte cryopreservation technique.- Oocyte quality testing.- Optimal preparation prior to the use of cryopreserved oocytes.- Safety of oocyte cryopreservation.- Pregnancy at an advanced maternal age.- Motherhood at an advanced maternal age.- Ethical and societal aspects of elective oocyte cryopreservation. [...] 

New Assessment of Fetal Descent and Forceps Delivery
S. Takeda. Juntendo University, Bunkyo-ku, Tokyo (Ed)

This book offers a highly informative guide to forceps devices and delivery techniques. Extensive figures and animations offer readers vivid insights into the fetus station, pelvis, and inserted forceps. The book covers normal presentation and abnormal rotation, presentation and attitudes, and especially focuses on the assessment of fetal descent. [...] 

Contents
1 New Concept of Fetal Station Based on the Trapezoidal Plane (T-Station).- 2 Properties and Characteristics of Forceps Delivery.- 3 Techniques for the Forceps Procedure.- 4 Kielland Forceps.- 5 Education.
Prenatal Diagnosis of Orofacial Malformations
G. Tonni, Prenatal Diagnostic Service, Guastalla Civil Hospital AUSL Reggio Emilia, Reggio Emilia; W. Sepulveda, Fetalmed, Santiago, Chile; A. E. Wong, Department of Maternal-Fetal Medicine Palo Alto Medical Foundation, Mountain View, CA, USA (Eds)

This book describes how different diagnostic techniques may facilitate the prenatal identification of orofacial malformations. The role of standard two-dimensional ultrasound is documented and explained, but detailed attention is also paid to the use of three-dimensional (3D) ultrasound, including the novel 3D reslicing technique, and to the value of complementary magnetic resonance imaging. [...] 

Contents

Cancer in Sub-Saharan Africa
Current Practice and Future
O. A. Adedeji, University Hospital Birmingham, Birmingham, UK (Ed)

This book discusses the current state of cancer pathway as it is relevant to sub-Saharan Africa and highlights differences in epidemiology and the underlying problems with management. It outlines the current practice and opinions in all forms of cancer, also highlighting future prospects. [...] 

Contents

Development of Oral Cancer
Risk Factors and Prevention Strategies
A. Al Moustafa, Qatar University/College of Medicine, Doha, Qatar (Ed)

This book aims to provide the reader with a complete understanding of the development of oral cancer by explaining the role of a wide variety of implicated risk factors and identifying their gene targets and key regulators. [...] 

Contents

May 2017
XVII, 219 p. 193 illus., 154 illus. in color. With online files/update. Hardcover. 178 x 254 mm
£ 66,99 | € 89,99
ISBN 978-3-319-32514-9
All Language Rights Available

June 2017
XV, 217 p. 41 illus., 39 illus. in color. Hardcover. 155 x 235 mm
£ 66,99 | € 89,99
ISBN 978-3-319-52553-2
All Language Rights Available

August 2017
VIII, 217 p. 26 illus., 22 illus. in color. Hardcover. 155 x 235 mm
£ 66,99 | € 89,99
ISBN 978-3-319-48053-4
All Language Rights Available
Radiofrequency Ablation for Small Hepatocellular Carcinoma

M. Chen, Sun Yat-sen University Cancer Center Department of Hepatobiliary Surgery, Guangzhou, China; Y. Zhang, Sun Yat-sen University Cancer Center Department of Hepatobiliary Surgery, Guangzhou; W.Y. Lau, Chinese University of Hong Kong Prince of Wales Hospital, Hong Kong (Eds)

This book provides a comprehensive guide to the treatment of small hepatocellular carcinoma (sHCC) using a minimally invasive technique: radiofrequency ablation (RFA). RFA has emerged as a new treatment modality and become the main modality of locoregional therapy.

Contents
Diagnosis of small Hepatocellular carcinoma.- Pathobiologic characteristics of small hepatocellular carcinoma.- Radiofrequency ablation systems and operating mechanisms.- Initial Clinical Assessment and Patient Selection.- Percutaneous Radiofrequency Thermal Ablation.- Laparoscopic and Open RFA.- Peri-RFA care and management of complications.- Combined therapies of RFA.- Radiological assessment and follow-up after radiofrequency.- Adjuvant therapy after Radiofrequency Ablation.

Cervical Cancer

J. G. de la Garza-Salazar, Instituto Nacional de Cancerología, Mexico City; F. Morales-Vásquez, Instituto Nacional de Cancerología, Mexico City, Mexico; A. Meneses-Garcia, Instituto Nacional de Cancerología, Mexico City, Mexico (Eds)

This book provides readers with a thorough review on cervical cancer, treatment guidelines and emerging therapies available for the disease. It reviews the epidemiology clinical features, diagnosis, and medical management of cervical cancer.

Contents

Psycho-Oncology

U. Goerling, Humboldt University of Berlin; A. Mehnert, University of Leipzig (Eds)

This book examines in detail the psychosocial impacts of cancer and its management, explaining the relevance of psycho-oncology during all stages from diagnosis and treatment through to cancer survivorship and rehabilitation and end-of-life care.

Contents
Psychosocial Impact of Cancer.- Fear of progression in cancer patients and survivors.- Gender Opportunities in Psychosocial Oncology.- Psycho-oncology: A Patient’s View.- The oncological patient in the palliative situation.- Family Caregivers to Adults with Cancer: The Consequences of Caring.- Rehabilitation for Cancer Patients.- Cancer Surviviorship in adults.- Psychotherapy in the oncology setting.- Quality of life in Oncology.- Psychosocial impact of personalized therapies in oncology.- COMSKIL Communication Training in Oncology – Adaptation to German Cancer Care Settings.

Series Title
Recent Results in Cancer Research

June 2017
XII, 103 p. 50 illus., 40 illus. in color. Hardcover. 178 x 254 mm
£ 74,50 | € 99,99 ISBN 978-94-017-7257-0

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XVIII, 277 p. 76 illus., 61 illus. in color. Hardcover. 155 x 235 mm
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September 2017
VIII, 317 p. 7 illus., 3 illus. in color. Hardcover. 155 x 235 mm
£ 82,00 | € 109,99 ISBN 978-3-319-64309-0

All Language Rights Available
Immunotherapy for Pediatric Malignancies
J. Gray, University of Southampton Cancer Sciences Unit, Southampton, UK; A. Marabelle, University of Paris-Saclay Gustave Roussy, Villejuif, France (Eds)

This book provides a comprehensive overview of current immunotherapy strategies, and how these may be applicable to childhood cancers. The first part of the book reviews how the immune system recognizes cancer, and the various escape mechanisms allowing tumour growth. [...]

Contents

Patient-Derived Mouse Models of Cancer
Patient-Derived Orthotopic Xenografts (PDX)
R. M. Hoffman, University of California and AntiCancer Inc., San Diego, CA, USA (Ed)

This text highlights seminal discoveries and also provides comprehensive and state-of-the-art approach to mouse models of human patient tumors. These areas include training, basic techniques, as well as general troubleshooting. [...] 

Contents

Series Title
Molecular and Translational Medicine

Frontiers in Ovarian Cancer Science
H. Katabuchi, Kumamoto University, Kumamoto (Ed)

This volume presents the latest advances and the current status of our understanding regarding ovarian cancer, addressing both the basic and clinical aspects of the disease. In terms of basic medicine, the WHO Classification of Tumors of Female Reproductive Organs was revised in 2014, and that version addresses several new concepts and histopathological classifications not previously included. [...] 

Contents
1 Epidemiology and Etiology of Ovarian Cancer.- 2 Hereditary Ovarian Cancer.- 3 Morphologic and Molecular Pathogenesis.- 4 Screening and Prevention of Ovarian Cancer.- 5 Pathology of Epithelial Ovarian Tumors.- 6 Pathology of Non-epithelial Ovarian Tumors.- 7 Ovarian Cancer Genome and Molecular Experimental Sciences.- 8 Strategies for the Management of Epithelial Ovarian Cancer.- 9 Ovarian Cancer Genome and Molecular Experimental Sciences.- 10 Strategies for the Management of Epithelial Ovarian Borderline Tumors. [...]

Series Title
Comprehensive Gynecology and Obstetrics
Retroperitoneal Tumors
Clinical Management
C. Luo, Peking University International Hospital, Beijing, China (Ed)

This book provides a comprehensive, state-of-the-art review of the diagnosis and management of retroperitoneal tumors. It highlights current surgical techniques for combined resection and reconstruction of various abdominal and pelvic organs and structures, along with adjuvant therapy. [..]

Contents
Part I Basics of Retroperitoneal Tumors - Applied anatomy of retroperitoneal space (abdominal, pelvic).- Pathology (classification, staging system, overview of all types).- General features (incidence, etiology, demographics, oncobiology, presentation).- Principles of surgical management.- Combined resection and reconstruction of involved organs in RPT.- Part II Histology–specific RPT Management.- Retroperitoneal liposarcoma.- Retroperitoneal leiomyosarcoma.- Retroperitoneal EGIST.- Retroperitoneal malignant histiocytoma.- Retroperitoneal fibrosarcoma.- Retroperitoneal fibrosis. [..]

Textbook of Penile Cancer
A. Muneer, University College London Hospitals, NIHR Biomedical Research Centre, UCLH, London, UK; S. Horenblad, Netherlands Cancer Institute, Amsterdam, The Netherlands (Eds)

The aim of the updated book is to include new developments and update the literature in relation to sentinel node biopsy, new radiology techniques and long term epidemiological data. This book is useful for urologists, dermatologists, sexual health physicians as well as those with an interest in virology and genomics related to squamous cell cancers. [..]

Contents
Chemotherapy for Leukemia
Novel Drugs and Treatment
T. Ueda, University of Fukui, Fukui, Japan (Ed)

This book focuses on the latest progress in chemotherapy for leukemia and related diseases, including still-ongoing but promising studies. The effectiveness of treatment for chronic myeloid leukemia and acute promyelocytic leukemia has been dramatically improved in recent years. [...] 

Contents
1 An Overview.- Part I Bcr-Abl Tyrosine Kinase Inhibitors (TKIs).- 2 Imatinib: Basic Results.- 3 Imatinib: Clinical Pharmacology and Therapeutic Results.- 4 Dasatinib, Nilotinib, Bosutinib, Ponatinib, and Other TKIs.- Part II New Antibodies for Leukemia.- 5 Rituximab and Alemtuzumab for Chronic Lymphocytic Leukemia: Basic Results.- 6 Rituximab and Alemtuzumab for Chronic Lymphocytic Leukemia: Clinical Pharmacology and Therapeutic Results.- 7 Inotuzumab Ozogamicin for Acute Lymphoblastic Leukemia: Clinical Pharmacology and Therapeutic Results. [...] 

Personalized Therapy for Multiple Myeloma
S. Z. Usmani, Levine Cancer Institute Department of Hematologic Oncol & Blood, Charlotte, NC, USA; A. K. Nooka, Winship Cancer Institute of Emory Univer Department of Hematology and Oncology, Atlanta, GA, USA (Eds)

This book provides the clinician with concise, practical guidance on risk stratification and therapeutic decision making in patients with multiple myeloma. In addition, the available clinical trial and research data are summarized into meaningful reviews and evidence-based recommendations for treatment are presented. [...] 

Contents
Risk stratification in newly diagnosed smoldering multiple myeloma.- Risk stratification in newly diagnosed transplant eligible multiple myeloma.- Risk stratification in newly diagnosed transplant ineligible multiple myeloma.- Treatment of translocation 4;14 and deletion 17 p MM.- Treatment of patients in first/second relapse.- Treatment of patients in third relapse and beyond including double refractory disease.- Treatment of primary and secondary plasma cell leukemia.- Practical considerations for bone health in multiple myeloma. [...] 

Patient-Derived Xenograft Models of Human Cancer
Y. Wang, University of British Columbia, Vancouver, BC, Canada; D. Lin, BC Cancer Research Centre, Vancouver, BC, Canada; P. W. Gout, BC Cancer Agency/Vancouver Prostate Centre, Vancouver, BC, Canada (Eds)

This book provides a comprehensive, state-of-the-art review of PDX cancer models. In separately produced chapters, the history and evolution of PDX models is reviewed, methods of PDX model development are compared in detail, characteristics of available established models are presented, current applications are summarized and new perspectives about use of PDX models are proposed. [...] 

Contents

Series Title
Molecular and Translational Medicine
Advances in Radiation Oncology
J. Y.C. Wong, City of Hope, Duarte, CA, USA; T. E. Schultheiss, City of Hope, Duarte, CA, USA; E. H. Radany, City of Hope, Duarte, CA, USA (Eds)

This book concisely reviews important advances in radiation oncology, providing practicing radiation oncologists with a fundamental understanding of each topic and an appreciation of its significance for the future of radiation oncology. [...] 

Contents
Use of Multi-parametric MRI in Radiotherapy.- MRI Guided Radiotherapy.- MRI Guided Focused Ultrasound and Thermal Oncology.- Use of PET and Novel Molecular Imaging in IGRT.- The Impact of IGRT on Normal Tissue Toxicity.- Image Guided Brachytherapy.- Hypofractionated IGRT for the treatment of primary cancers.- SBRT and the treatment of oligometastatic disease.- Molecular and image guided systemic targeted radiotherapy.- Integrating Radiotherapy and Immunotherapy. [...] 

Series Title
Cancer Treatment and Research

Emerging Infectious Uveitis
S. Chee, Singapore National Eye Center, Singapore, Singapore; M. Khairallah, Fattouma Bourguiba University Hospital, Faculty of Medicine, Monastir, Tunisia (Eds)

This book reviews the various emerging infectious diseases that show a significant association with uveitis, describing and explaining their ocular manifestations with the aid of color illustrations. In addition, it presents brief reports of further emerging infections that are associated with uveitis in rare cases. [...] 

Contents

Retinal and Choroidal Imaging in Systemic Diseases
J. Chhablani, L.V.Prasad Eye Institute, Hyderabad; P. D. Majumder, Sankara Nethralaya, Chennai; J. F. Arevalo, The Johns Hopkins University, Baltimore, MD, USA (Eds)

This book explains the underlying rationale for retinal and choroidal imaging in the context of systemic diseases. Various systemic diseases involve the eyes, and for some, the eyes could provide the first clue to their presence. Advances in posterior segment imaging have significantly improved our understanding of the pathophysiology and management of posterior segment diseases. [...] 

Contents
Corneal Diseases in Children
Challenges and Controversies
K. Colby, University of Chicago, Chicago, IL, USA (Ed)

This book provides comprehensive coverage of the most important corneal diseases in children, including congenital corneal opacities, infectious keratitis, corneal ectasia, ocular surface disorders and allergic eye disease. [...] 

Contents

Series Title
Essentials in Ophthalmology

Endophthalmitis
A Guide to Diagnosis and Management
T. Das, LV Prasad Eye Institute Smt Kanuri Santhamma Centre Vitreo Retin, Hyderabad (Ed)

This book is an on-the-go resource on all aspects of endophthalmitis essential for practicing ophthalmologists and fellows in training. Endophthalmitis is a devastating condition of the eye. It occurs after surgery, trauma and by endogenous spread of infection. [...] 

Contents
General Features.- Definition, Signs and Symptoms of endophthalmitis.- Management of endophthalmitis.- TASS vs Infective endophthalmitis.- Epidemiology of endophthalmitis and treatment trends in Asia.- Epidemiology of endophthalmitis and treatment trends in India.- Epidemiology of endophthalmitis and treatment trends in Europe.- Specific endophthalmitis.- Post-cataract surgery endophthalmitis.- Traumatic endophthalmitis.- Endogenous endophthalmitis.- Fungal endophthalmitis. [...] 

Ocular Surface Disease
A Case-based Guide
A. R. Djalilian, Illinois Eye and Ear Infirmary, Chicago, IL, USA (Ed)

Using a case-based format to help disseminate some of the hard-to-find information on ocular surface disease, this book is written and edited by leaders in this rapidly evolving field. [...] 

Contents
Medical: New Treatments for Dry Eye Disease.- The Role of in vivo Corneal Imaging in the Diagnosis and Management of OSD.- Current Management of GVHD.- Contact Lenses in the Management of OSD.- Diagnosis and Current Treatment Strategies for Chronic Cicatricial Conjunctivitis. Surgical: The Use of Amniotic Membrane in OSD.- Medical and Surgical Management of Acute SJS.- Limbal Transplantation - Current Surgical Techniques.- Limbal Transplantation - Pre and Post-Operative Strategies to Improve the Outcomes.- Cell Based Therapies for OSD.- Boston Kpro for Severe OSD.
Surgical Correction of Astigmatism
J. Febbraro, Paris, France; H. Khan, University of British Columbia, Victoria, BC, Canada; D. Koch, Cullen Eye Institute Baylor College of Medicine, Houston, TX, USA (Eds)

This book reviews the surgical techniques currently employed for the management of astigmatism, with the aim of providing a clear, comprehensive, step-by-step guide that will help practitioners to optimize outcomes. The book is divided into two sections covering the cutting-edge surgical approaches in cataract and refractive patients. [...] 

Contents

Retinal Pigment Epithelial Detachment
M. Gamulescu, Universitätsklinik Regensburg, Regensburg; H. Helbig, Universitätsklinikum Regensburg, Regensburg; J. Wachtlin, Sankt Gertrauden Krankenhaus, Dept. Ophthalmology, Berlin (Eds)

This excellently illustrated book offers detailed guidance on the differential diagnosis and therapy of detachment of the retinal pigment epithelium (PED), a frequently seen feature in various diseases of the eye. [...] 

Contents
Anatomy and Pathophysiology of PED.- Imaging of PED.- Natural Course of PED.- PED – Rip.- PED in Age-Related Macular Degeneration.- PED – Drusenoid.- PED in Retinal Angiomaticus Proliferation.- PED in Polyoidal Choroidal Vasculopathy.- PED in Central Serous Chorioretinopathy.- PED in Systemic Disorders.- Therapy of PED. 

Optical Coherence Tomography
A. Girach, London; R. C. Sergott, Wills Eye Institute, Philadelphia, PA, USA (Eds)

This richly illustrated, comprehensive guide will enable the reader to identify anatomy and ophthalmic disease as illustrated on optical coherence tomography (OCT). It is the most up-to-date atlas of OCT images, many of which have been obtained with the newer OCT technologies that offer excellent image quality and definition at a microscopic level. [...] 

Contents
Phacoemulsification Cataract Surgery
R. Gupta, Newcastle Eye Centre, Newcastle upon Tyne, UK

This book provides ophthalmic surgeons with a concise, clinical guide to performing the fundamentals steps in phacoemulsification cataract surgery. Clear diagrams and images are used throughout and the information can be adapted to a particular consultant's own technique once the surgical principles are understood. [...]Contents

Introduction to modular phacoemulsification training principles.- Irrigation Aspiration.- Capsulorhexis.- Hydrodissection.- How to Palm an instrument.- Fragment removal: Make a Space Technique.- Fragmentation of Segments.- Phaco grooving and cracking.- Lazy Phaco Chop.- Corneal incision and side port.- Draping.

Textbook of Ocular Trauma
Evaluation and Treatment
S. C. Kaufman, SUNY Downstate Medical Center, Brooklyn, NY, USA; D. R. Lazzaro, SUNY Downstate Medical Center, Brooklyn, NY, USA (Eds)

Arranged by ocular anatomy and subspecialty, with a detailed index permitting the reader to locate a discussion involving a specific type of ocular injury, this text covers ocular trauma in the pediatric and adult patient with medical and surgical treatment options, as well as potential complications. [...]Contents

Strabismus
Practical Pearls You Won’t Find in Textbooks
B. J. Kushner, University of Wisconsin-Madison, Madison, WI, USA

Written mainly for pediatric ophthalmologists and strabismologists, but also of great value to trainees, this text guides the reader through the thought processes needed for successful management of strabismus. [...] 

Contents
Foreword.- Preface.- Chapter 1 History.- Chapter 2 The Examination.- Chapter 3 Refraction.- Chapter 4 Functional Amblyopia.- Chapter 5 Esotropia.- Chapter 6 Exotropia.- Chapter 7 A-Pattern, V-Pattern, and Other Alphabet Pattern Strabismus.- Chapter 8 Vertical Deviations.- Chapter 9 Diplopia.- Chapter 10 Strabismus Surgery.- Chapter 11 Complications of Eye Muscle Surgery.- Chapter 12 Thyroid Eye Disease.- Chapter 13 How to Perform Superior Surgery on the Inferior Oblique and Avoid Inferior Surgery on the Superior Oblique.- Chapter 14 Abnormal Head Postures.- Chapter 15 Brown Syndrome. [...] 

Retinopathy of Prematurity
Current Diagnosis and Management
A. Kychenthal B., KYDOFT, Santiago, Chile; P. Dorta S., KYDOFT, Santiago, Chile (Eds)

This clinically oriented book is devoted to the diagnosis and treatment of retinopathy of prematurity (ROP), a leading cause of childhood blindness. World-renowned experts in the field discuss epidemiologic and pathogenic aspects of the disease. The staging and classification of ROP are explained in detail, and guidance is provided on appropriate anesthesia. [...] 

Contents
Chapter 1 Pathophysiology of ROP.- Chapter 2 Classification.- Chapter 3 Retinopathy of Prematurity Screening-Current and Future Considerations.- Chapter 4 Optical Coherence Tomography and Wide-Field Fluorescein Angiography in Retinopathy of Prematurity.- Chapter 5 Differential diagnosis of ROP.- Chapter 6 Anesthesia for New Born with Retinopathy of Prematurity: Benefits of a different technical approach.- Chapter 7 Remote Imaging and Smart Software for ROP Scanning.- Chapter 8 Photocoagulation for Retinopathy of Prematurity. [...]
There have been books over the years discussing the history of ophthalmology, but none that focus directly on just the most critical thinkers whose insights provided the foundation for the discipline. These men and women advanced knowledge about vision, diagnosis, disease mechanisms, and therapy through innovative thinking and perseverance against old ideas. [...]
Homonymous Visual Field Defects
K. Skorkovská. St. Anne's University Hospital, Brno, Czech Republic (Ed)

This book provides a concise, up-to-date overview on homonymous visual field defects, and especially homonymous hemianopia. All aspects of the subject are covered, from anatomy and pathophysiology to diagnosis and management. Emphasis is placed on practical issues and major advances in ophthalmology, neurology, imaging techniques, and psychology. [...] Contents


Ophthalmology in Extreme Environments
P. S. Subramanian. University of Colorado School of Medicine, Aurora, CO, USA (Ed)

Aiming to stimulate future research in ocular disorders that occur in specific environments presenting unique hazards to the eye, systemic health, or both, this book assists in identification and effective treatment for these cases. [...] Contents


Series Title

Essentials in Ophthalmology

Orbital Cellulitis and Periorbital Infections
M. T. Yen. Dept of Ophthalmology Baylor College of Medicine, Houston, TX, USA; T. E. Johnson. Dept of Clinical Ophthalmology Univ of Miami Miller School of Medicine, Miami, FL, USA (Eds)

This book discusses the evaluation, diagnosis, and treatment of infections of the orbit and periorbital region and is written by experts in the fields of ophthalmology, ocularplastic surgery, otolaryngology, neurosurgery, and radiology. Infections of the orbit can be challenging to diagnose and manage. [...] Contents

Retinal Dystrophy Gene Atlas
S. Zahid, Henry Ford Hospital, Detroit, MI, USA; K. Branham, Ann Arbor, MI, USA; D. Schlegel, University of Michigan–Ann Arbor Kellogg Eye Center, Ann Arbor, MI; M. E. Pennesi, Casey Eye Institute, Portland, OR, USA; M. Michaelides, Moorfields Eye Hospital UCL, London, UK; J. Heckenlively, Ann Arbor, MI, USA; T. Jayasundera, University of Michigan Kellogg Eye Center, Ann Arbor, MI, USA

Classically, photo atlases of retinal dystrophies have been divided into sections that describe and depict a particular retinal finding or disease, after which a differential diagnosis of potential diseases or mutated genes is provided. [...] 

Contents

Complications after Primary Total Hip Arthroplasty
A Comprehensive Clinical Guide
M. P. Abdel, Mayo Clinic, Rochester, MN, USA; C. J. Della Valle, Rush University Medical Center, Chicago, IL, USA (Eds)

Covering both acute post-operative and chronic complications following total hip arthroplasty (THA), this comprehensive clinical guide provides diagnostic and management strategies and techniques for orthopedic surgeons at every level. [...] 

Contents

August 2017
X, 170 p. 155 illus., 152 illus. in color. Hardcover.
210 x 279 mm
£ 163.00 | € 219.00
ISBN 978-3-319-10866-7

All Language Rights Available

Nonunions
Diagnosis, Evaluation and Management
A. Agarwal, Boerne, TX, USA (Ed)

Providing a comprehensive presentation of the diagnosis, evaluation and management of nonunions, this generously illustrated text details the current principles, surgical techniques and approaches with these challenging clinical situations. Since each nonunion can be fairly particular, the treatment regimens provide guidelines to effectively approach such problems. [...] 

Contents

August 2017
XIV, 346 p. 164 illus., 24 illus. in color. Hardcover.
178 x 254 mm
£ 126.50 | € 169.99

All Language Rights Available
Clinical Anatomy of the Shoulder
An Atlas
M. Bozkurt, Yildirim Beyazit University, Ankara, Turkey; H. İ. Açar, Ankara University, Ankara (Eds)

This book provides detailed information on functional anatomy, physical examination, and clinical radiology of the shoulder with a view to enabling the clinician to identify the most suitable treatment approach to different shoulder joint pathologies. [...] 

Contents

Muscle and Tendon Injuries Evaluation and Management
G. L. Canata, Centre of Sports Traumatology, Torino; P. d'Hooghe, Aspetar Hospital Aspire Zone, Doha; K. J. Hunt, University of Colorado Hospital, Aurora, CO, USA (Eds)

This book explores in a comprehensive manner the causes and symptoms of muscle and tendon pathologies, the available diagnostic procedures, and current treatment approaches. [...] 

Contents
Functional morphology of muscles and tendons.- Biomechanics of tendons.- Pathophysiology of Tendinopathy.- Tendon healing.- Musculotendinous junction injuries.- Magnetic Resonance Imaging.- Ultrasound Imaging.- Classification of muscular lesions.- Prevention of musculotendinous pathologies.- Why the tendon tears and doesn't like to heal.- Cellular therapy for tendon regeneration.- PRP and tendon pathologies.- Biomaterials for tendon regeneration.- New Strategies for muscular repair and regeneration.- Nonoperative treatment options for tendinopathies.- Use of nutraceuticals for tendinopathies. [...] 

Evidence-Based Bunion Surgery
A Critical Examination of Current and Emerging Concepts and Techniques
P. D. Dayton, Des Moines University, Fort Dodge, IA (Ed)

This unique book provides a critical examination of the current traditions and techniques commonly taught regarding hallux valgus correction and contrasts them with new, evidence-based anatomic and surgical concepts that change the entire approach to bunion surgery. [...] 

Contents
Adaptive Sports Medicine
A Clinical Guide
A. J. De Luigi, MedStar National Rehabilitation Hospital/Georgetown University Hospital, Washington, DC, USA (Ed)

This first-of-its-kind text provides a comprehensive presentation and review of the unique aspects of adaptive sports medicine and adaptive athletes, who are increasingly active and prominent, not only individually and in local leagues and organizations but also in larger settings like the Paralympics. [...] Contents
Carpal Tunnel Syndrome and Related Median Neuropathies

Challenges and Complications

S. F. M. Duncan, Boston University/Boston Medical Center, Boston, MA, USA; R. Kinokino, Kindai University Hospital, Osaka, Japan (Eds)

Practical and user-friendly, this text provides the orthopedic and hand surgeon with all the essential information for diagnosing and treating carpal tunnel syndrome (CTS) and other median neuropathies of the hand and wrist, with special emphasis on challenges and complications.

Contents


Injuries and Health Problems in Football

What Everyone Should Know

C. N. van Dijk, Academic Medical Centre, Amsterdam Zuidoost, The Netherlands; P. Neyret, University of Lyon 1 Hospital de la Croix-Rousse, Lyon, France; M. Cohen, Federal University of São Paulo, Vila Clementino - São Paulo, Brazil; S. Della Villa, FIFA Medical Centre of Excellence, Bologna; H. Pereira, University of Minho, Headquarters of the European Institute of Excellence on Tissue Engineering and Regenerative Medicine, AvePark, Parque de Ciência e Tecnologia, Zona Industrial da Gandra, Barco, Guimarães, Portugal; J. M. Oliveira, ICVS/3B's–PT Government Associate Laboratory, Braga/Guimarães, Portugal (Eds)

This book offers a comprehensive overview of current knowledge on the health problems and injuries associated with football and their clinical management.

Contents


Intramedullary Limb Lengthening

Principles and Practice

S. A. Green, University of California - Irvine, Orange, CA, USA; M. T. Dahl, University of Minnesota, Minneapolis, MN, USA

Providing a comprehensive overview of the current orthopedic uses of intramedullary devices, this practical, well-illustrated guide opens with a review of the history of limb lengthening from the early external fixator up to Ilizarov’s monumental discoveries, with a summary of the biology of new bone formation in a widening distraction gap.

Contents

Clavicle Injuries
A Case-Based Guide to Diagnosis and Treatment
G. I. Groh, Asheville Orthopedics, Asheville, NC, USA (Ed)

This is the first book of its kind to specifically cover all aspects of clavicle injury management, from anatomy and biomechanics to anesthesia and radiology, with the bulk of the chapters presenting current treatment strategies, both operational and otherwise. [...] 

Contents

The Shoulder
G. Huri, Hacettepe University, Ankara, Turkey; N. K. Paschos, University of Pennsylvania, Philadelphia, PA, USA (Eds)

This book provides a broad overview of operative and non-operative treatments of various conditions affecting the shoulder. It is presented in an easy to use format with each chapter including multiple choice questions to assist the reader in preparing for boards to improve shoulder knowledge and increase success in exams. [...] 

Contents
Basic Science.- Clinical evaluation.- Investigations.- Shoulder trauma.- Specific shoulder disorders.- Non-operative management of shoulder disorders.- Operative management of shoulder disorders.

Series Title
Orthopaedic Study Guide Series

Shoulder Instability Across the Life Span
A. B. Imhoff, Technical University of Munich (TUM), Munich; F. H. Savoie III, Tulane University School of Medicine, Department of Orthopaedics, New Orleans, LA, USA (Eds)

This book outlines the consensus findings of the ISAKOS Upper Extremity Committee regarding the treatment options for patients suffering from shoulder instability. [...] 

Contents
The Young patient with shoulder instability (age < 20): Overview of the Spectrum of instability in the very young: Evolving concepts.- Classification of shoulder instability.- Genetics of the unstable shoulder.- Laxity vs MDI/Posterior in the young patient: Scapular dyskinesia.- Management of Acute Shoulder instability. The Young athletic high risk patient with Shoulder Instability (age 18-30): Spectrum of instability in the athletic young adult. [...]
Elite Techniques in Shoulder Arthroscopy
New Frontiers in Shoulder Preservation
J. D. Kelly IV, University of Pennsylvania, Philadelphia, PA, USA (Ed)

Ideal for shoulder surgeons who want to upgrade their skills to the next level, this practical, step-by-step text presents the latest cutting-edge management strategies and science aimed at shoulder preservation surgery. [...] 

Contents

June 2017
XVIII, 335 p. 317 illus., 29 illus. in color. Hardcover.
178 x 254 mm
£ 59.99 | € 79.99
ISBN 978-3-319-25101-1
All Language Rights Available

Disorders of the Scapula and Their Role in Shoulder Injury
A Clinical Guide to Evaluation and Management
W. B. Kibler, Lexington Clinic Orthopedics and Sports Medicine Center, Lexington, KY, USA; A. D. Sciascia, Eastern Kentucky University, Richmond, KY, USA (Eds)

This unique book - the first of its kind exclusive on disorders of the scapula - is a concise but comprehensive summary of the evidence that will enable clinicians to understand the scapula from its functions to its dysfunctions and includes clinical guidelines and pearls to improve the clinician's competencies for the treatment of shoulder disorders. [...] 

Contents

June 2017
XXI, 219 p. 157 illus., 123 illus. in color. Hardcover.
178 x 254 mm
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ISBN 978-3-319-53582-1
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Histological Diagnosis of Implant-associated Pathologies
V. Krenn, MVZ für Histologie, Zytologie und Molekulare Diagnostik, Trier; G. Perino, Hospital for Special Surgery, NEW YORK, NY, USA

Histological evaluation of the periprosthetic soft and osseous tissues is an important analytical tool. Its standardization is essential to generate accurate and reproducible data which allow comparisons for academic institutions, arthroplasty registries, and government regulatory agencies worldwide. [...] 

Contents
Introduction.- Interdisciplinary Diagnosis of Joint Prosthesis Pathology.- Clinical Approach on Synovial like Interface Membranes.- Standardized Collection and Processing of Tissue Samples.- Future Perspectives.- Conclusion.

May 2017
XI, 43 p. Hardcover.
155 x 235 mm
£ 13.99 | € 17.75
ISBN 978-3-662-54203-3
All Language Rights Available
Management of Periprosthetic Joint Infection
A global perspective on diagnosis, treatment options, prevention strategies and their economic impact
K. Kühn, Heraeus Medical GmbH, Wehrheim (Ed)

Periprosthetic joint infection (PJI) is among the most serious complications in the field of endoprosthetics. The number of PJIs is increasing worldwide and poses a real interdisciplinary challenge for everyone involved. For the patient concerned, it is necessary to promptly work out an adequate therapy solution to fight off the infection. [...]

Contents

September 2017
Approx. 200 p. 196 illus. in color. Hardcover.
168 x 240 mm
£ 66.99 | € 89.99
ISBN 978-3-662-54468-6

All Language Rights Available

Total Hip Replacement
Case Series from a Leading Registry
K. Lampropoulou-Adamidou, General Hospital of Athens, Athens, Greece; G. Hartofilakidis, KAT General Hospital of Athens, Athens, Greece

Setting out from the premise that “a picture is worth more than a thousand words”, this book presents a superb set of illustrations, with accompanying clinical data, relating to a series of cases from a single surgeon registry. [...]

Contents

September 2017
XI, 147 p. 345 illus., 99 illus. in color. Hardcover.
210 x 279 mm
£ 82.00 | € 109.99
ISBN 978-3-319-53359-9

All Language Rights Available

Complications in Foot and Ankle Surgery
Management Strategies
M. S. Lee, Capital Orthopedics and Sports Medicine, Clive, IA, USA; J. P. Grossman, Akron General Orthopedics, Inc., Akron, OH, USA (Eds)

Comprehensive, current and insightful, this well-illustrated text is devoted to the detailed management of common but often challenging complications that all foot and ankle surgeons encounter in their practice. [...]

Contents

July 2017
XIII, 452 p. 114 illus., 99 illus. in color. Hardcover.
210 x 279 mm
£ 159.50 | € 214,00
ISBN 978-3-319-53684-2

All Language Rights Available
Soft Tissue Balancing in Total Knee Arthroplasty

S. Matsuda, Kyoto University Department of Orthopaedic Surgery, Kyoto; S. Lustig, Lyon University - Croix Rousse Hospital Department of Orthopedic Surgery, Lyon; W. van der Merwe, Sports Science Institute of South Africa Orthopaedic Clinic, Cape Town, South Africa (Eds)

In this booklet, experts from across the world, including members of the ISAKOS Knee Arthroplasty Committee, offer clear, up-to-date guidance on all aspects of soft tissue or ligament balancing in primary total knee arthroplasty with the aim of enabling the reader to achieve optimal patient outcomes. [...] 

Contents

Rotator Cuff Injuries
A Clinical Casebook

P. J. McMahon, McMahon Orthopedics and Rehabilitation, Pittsburgh, PA, USA (Ed)

Comprised exclusively of clinical cases presenting injuries to and management of the rotator cuff, this concise, practical casebook will provide orthopedic surgeons with the best real-world strategies to properly manage the various kinds of cuff injury they may encounter. [...] 

Contents

Diagnostic Clusters in Shoulder Conditions

P. Monga, Wrightington Hospital, Wigan, UK; L. Funk, Wrightington Hospital, Wigan, UK (Eds)

This book serves as a definitive guide to diagnosing shoulder conditions for all levels of orthopaedic surgeon with an interest in shoulder pathology, and for junior surgeons in training. It comes at a time when the knowledge regarding shoulder conditions has vastly improved, with the shoulder sub-speciality growing at a rapid pace in terms of practitioner numbers, procedures and evidence-base. [...] 

Contents
Latissimus Dorsi Transfer
G. Paribelli, Domus Nova Clinic, Ravenna (Ed)

This book is exceptional in providing detailed state of the art guidance on all aspects of transfer of the latissimus dorsi tendon for indications including irreparable posterosuperior rotator cuff tears, irreparable subscapularis tears, and shoulder replacement. [...] 

Contents

Management of Knee Osteoarthritis in the Younger, Active Patient
An Evidence-Based Practical Guide for Clinicians
D. Parker, Sydney Orthopaedic Research Institute, Sydney, NSW, Australia (Ed)

This book is a rich source of practical guidance on the management of relatively young patients with osteoarthritis of the knee that will assist physicians and allied health professionals in enabling patients to remain active and sustain their quality of life. [...] 

Contents

Primary and Revision Total Ankle Replacement
Evidence-Based Surgical Management
T. S. Roukis, Gundersen Health System, La Crosse, WI, USA; G. C. Berlet, Orthopedic Foot and Ankle Center, Westerville, OH, USA; C. Bibbo, Wisconsin Foot and Ankle Institute, Marshfield, WI, USA; C. F. Hyer, Orthopedic Foot and Ankle Center, Westerville, OH, USA; M. J. Penner, University of British Columbia, Vancouver, BC, Canada; M. Wünschel, Foot and Ankle Center Karlsruhe; M. A. Prissel, Atlantic Foot & Ankle Center of Chesapeake, Chesapeake, VA, USA (Eds)

Bringing together the most up-to-date information on all aspects of primary and revision total ankle replacement (TAR), this definitive text focuses on TAR procedures and prostheses available for use in North America with additional “lessons learned” from the international community. [...] 

Contents
Preface.- Part I: Introduction.- History of total ankle replacement in North America.- Survivorship of First, Second, and Third Generation Total Ankle Replacement Systems.- Fixed versus Mobile Bearings in Total Ankle Arthroplasty.- Total Ankle Replacement Based on Worldwide Registry Data Trends.- Total Ankle Replacement versus Ankle Arthrodesis. [...]
Cañadell's Pediatric Bone Sarcomas
Epiphysiolysis before Excision
M. San-Julian, University of Navarra, Pamplona, Spain (Ed)

The second edition of this well-received book reflects the state of the art in surgery for malignant bone tumors in children, with a particular focus on epiphysiolysis before excision. […]

Contents

Osteonecrosis of the Femoral Head
A Clinical Casebook
R. J. Sierra, Mayo Clinic, Rochester, MN, USA (Ed)

Comprised exclusively of clinical cases involving osteonecrosis of the femoral head (ONFH), this concise, practical casebook will provide orthopedic surgeons with the best real-world strategies to properly diagnose and treat both pre- and post-collapse conditions. […]

Contents
Part I: Pre-Collapse: Treatment of Early Stage Osteonecrosis.- Osteonecrosis and Thrombophilia, Pathophysiology, Diagnosis and Treatment.- Bisphosphonates.- Successful Decompression with Multiple Percutaneous Drilling.- Simultaneous Cell Therapy Preserving Surgery and ContraIateral Arthroplasty for Bilateral Hip Osteonecrosis.- Bilateral Osteonecrosis Associated with Corticosteroid Treatment: Stem Cell Therapy versus Core Decompression in the Same Patient.- Minimally Invasive Core Decompression Augmented with Concentrated Autologous Mesenchymal Stem Cells. […]

Prevention of Injuries in the Young Dancer
R. Solomon, University of California, Santa Cruz, CA, USA; J. Solomon, Santa Cruz, CA, USA; L. J. Micheli, Boston Children's Hospital, Boston, MA, USA (Eds)

This practical resource discusses the numerous physical, psychological, and medical issues pertaining to the young dancer as they relate to injury prevention. Chapters on injury are arranged anatomically and cover etiology, diagnosis, treatment strategies, and rehabilitation. Additional chapters cover screening, nutrition, training technique, and the role of the physical therapist. […]

Contents
Epidemiology of Injury in the Young Dancer.- Screening the Young Dancer: Summarizing Thirty Years of Screening.- A Screening Program for the Young Dancer: Perspectives on What and Why to Include in a Screen.- Physical Therapy Rehabilitation for the Young Dancer.- Resistance Training for Pediatric Female Dancers.- Spine Conditions in the Young Dancer.- Hip Injuries in the Young Dancer.- Knee Problems in the Young Dancer.- Foot and Ankle Injuries in the Adolescent Dancer. […]

Series Title
Clinical Casebooks
Contemporary Pediatric and Adolescent Sports Medicine
Fractures of the Foot and Ankle
A Clinical Casebook
N. C. Tejwani, NYU Langone Medical Center, New York, NY, USA (Ed)

Comprised exclusively of nearly two dozen clinical cases covering common fractures of the foot and ankle, this concise, practical casebook will provide orthopedic and foot and ankle surgeons with the best real-world strategies to properly manage both open and closed fractures of the ankle, calcaneus, talus and metatarsals. [...] 

Contents

Series Title
Clinical Casebooks

The Achilles Tendon
An Atlas of Surgical Procedures
H. Thermann, ATOS Clinic Centre, Heidelberg; C. Becher, ATOS Clinic Centre, Heidelberg; M. R. Carmont, Princess Royal Hospital, Telford, UK; J. Karlsson, University of Gothenburg, Mölndal, Sweden; N. Maffulli, University of Salerno, Fisciano; J. Calder, Chelsea and Westminster Hospital, London, UK; C. N. van Dijk, Academic Medical Centre, Amsterdam Zuidoost, The Netherlands (Eds)

This book, written by leading experts in the field, is a comprehensive guide to the best available techniques in Achilles tendon surgery. Each surgical procedure is described step by step, covering all of the approaches employed for the most common and important Achilles tendon pathologies. [...] 

Contents
Acute ruptures.- Mid portion.- Insertional.- Delayed reconstruction.- Achilles tendon lengthening.- Achilles tendon shortening.

The Adult Hip - Master Case Series and Techniques
E. Tsiridis, Aristotle University Medical School, Thessaloniki, Greece (Ed)

This book is intended to offer a “virtual fellowship” in hip surgery that will give readers the opportunity to join distinguished hip surgeons in the operating room, learning key points and solutions to technical difficulties from the beginning to the end of 100 surgical cases. [...] 

Contents
The Biceps and Superior Labrum Complex
A Clinical Casebook
N. N. Verma, Rush University Medical Center, Chicago, IL, USA; E. J. Strauss, NYU Center for Musculoskeletal Care, New York, NY, USA (Eds)

Comprised exclusively of clinical cases covering the management of injuries to the biceps tendon and superior labrum, this concise, practical casebook will provide clinicians in orthopedics and sports medicine with the best real-world strategies to properly diagnose and treat the various types of injuries they may encounter. [...] 

Contents
Acute Rupture of the Proximal Biceps Tendon in a 55-year-old Female.- Chronic Rupture of the Proximal Biceps Tendon in a 63-year-old male with Popeye Deformity and Persistent Cramping.- Persistent Anterior Shoulder Pain Following Rotator Cuff Repair in a 51-year-old Male.- Anterior Shoulder Pain in a 23-year-old Overhead Throwing Athlete.- Anterior Shoulder Pain in a Windmill Softball Pitcher.- Synovial Chondromatosis Involving the Long Head of the Biceps. [...] 

Series Title
Clinical Casebooks

Athletic Footwear and Orthoses in Sports Medicine
M. B. Werd, Florida Southern College Foot and Ankle Associates, Lakeland, FL, USA; E. L. Knight, Lakeland, FL, USA; P. R. Langer, University of Minnesota Medical School, Minneapolis, MN, USA (Eds)

Now in a revised and expanded second edition, including an expanded section on running footwear and additional sport-specific recommendations, this updated, practical resource provides a concise and logical approach to prescribing footwear that will maximize performance and minimize injury in athletes. [...] 

Contents

Groin Pain Syndrome
A Multidisciplinary Guide to Diagnosis and Treatment
R. Zini, Maria Cecilia Hospital, GVM Care and Research, Cotignola, Ravenna; P. Volpi, Humanitas Research Hospital, Rozzano, Milan; G. N. Bisciotti, Kinemove Rehabilitation Center, Pontremoli, Massa Carrara (Eds)

This book provides accurate descriptions of the injuries responsible for groin pain, which tend to occur in association with particular sports. The approach is multidisciplinary, ensuring that the book will be of broad appeal, and the focus is especially on epidemiology, etiology, and possible treatment options. [...] 

Contents
1 Classification and Differential Analysis.- 2 Inguinal Region Anatomy.- 3 Physiology and Biomechanics.- 4 Radiologic Diagnosis.- 5 Femoral Acetabular Impingement.- 6 Acetabular Labral Tear.- 7 Instability.- 8 Cartilage Pathology.- 9 Other Cartilaginous Hip Pathology.- 10 Extra-articular Hip Pathology.- 11 Inguinal Pathology.- 12 Sports Hernia.- 13 Urogenital Pathology.- 14 Adductor and Upright Abdominal Tendinopathy.- 15 Iliopsoas Tendinopathy.- 16 Osteitis Pubis and Pubic Symphysis Arthropathy.- 17 Nerve Entrapment Syndrome. [...]
Recurrent Respiratory Papillomatosis

P. Campisi, University of Toronto, Toronto, ON (Ed)

This volume provides a comprehensive review of recurrent respiratory papillomatosis and an up-to-date understanding of the etiology, pathophysiology, and management of these rare tumors caused by the human papillomavirus (HPV). The text covers the potential role of vaccines, its significant role in prevention and the controversy surrounding the use of them.

Contents

Auditory Development and Plasticity

In Honor of Edwin W Rubel

K. Cramer, University of California, Irvine, Irvine, CA, USA; A. Coffin, Washington State University, Vancouver, WA, USA; R. R. Fay, Marine Biological Laboratory, Woods Hole, MA, USA; A. N. Popper, University of Maryland, College Park, MD, USA (Eds)

This volume presents a set of essays that discuss the development and plasticity of the vertebrate auditory system.

Contents

Series Title
Springer Handbook of Auditory Research

Atlas of Airway Surgery

A Step-by-Step Guide Using an Animal Model

A. Ghidini, University Hospital of Modena, Modena; F. Mattioli, University Hospital of Modena, Modena; S. Bottero, Bambino Gesù Hospital, Rome; L. Presutti, University of Modena ENT Department, Modena (Eds)

This superbly illustrated atlas provides step-by-step descriptions of surgical procedures to the airways based on use of the sheep as an animal model, which has been demonstrated scientifically to be comparable to the human.

Contents
This atlas offers precise, step-by-step descriptions of robotic surgical techniques in the fields of otolaryngology and head and neck surgery, with the aim of providing surgeons with a comprehensive guide. The coverage encompasses all current indications and the full range of robotic surgical approaches, including transoral, transaxillary, transmaxillary, and transcervical. [...] contents

Contents
This concise book summarises the basic knowledge required to be an otolaryngologist. It covers the 300 main diseases of ear, nose and throat, summarizing the main symptoms of each, the required diagnostic process and the therapeutic approach. This compact presentation of knowledge is very useful and practical. The reader can quickly access essential information on the majority of the ENT diseases.

Contents

This book discusses the aging voice, one of the interesting issues related to aging. Population aging is an issue in most developed countries, where both physicians and specialists are required to improve clinical and scientific practice for elderly adults. In particular, the need for expertise in the diagnosis and treatment of aging voice pathologies is increasing continually.

Contents
- Overview.- Histological changes in elderly vocal folds.- Age-related changes in human voice.- Evaluation of phonatory function for the elderly.- Clinical assessment of elderly vocal folds by laryngoscopy.- Quantitative analysis of High Speed Digital Imaging for the elderly.- Injection medicalization for physical improvement in atrophic vocal folds.- Voice therapy for the elderly.- Current topics of regenerative medicine.- Future prospects of generative medicine.

Various lesions including benign and malignant tumors develop in the temporal bone. Since these lesions are surrounded by compact bones involving critical organs such as internal carotid artery and cranial nerves, considerable experience and techniques are required in surgical treatment and surgical treatments often accompanied by severe sequelae.

Contents
- Chapter 1 Anatomy of the Temporal Bone.
- Pathology of the Temporal Bone Tumors.
- Imaging of the Temporal Bone Tumors.
- Surgical Approaches for Temporal Bone Tumors.
- Chemotherapy for Temporal Bone Tumors.
- Radiotherapy for Temporal Bone Tumors.
- Particle Therapy for Temporal Bone Tumors.

Series Title
Modern Otology and Neurotology
Primate Hearing and Communication

R. M. Quam, Binghamton University, Binghamton, NY, USA; M. A. Ramsier, Humboldt State University, Arcata, CA, USA; A. N. Popper, University of Maryland, College Park, MD, USA; R. R. Fay, Marine Biological Laboratory, Woods Hole, MA, USA (Eds)

Presents a comprehensive review of nonhuman primate audition and vocal communication. These are obviously intimately related topics, but are often addressed separately. […]

Contents

Series Title
Springer Handbook of Auditory Research

August 2017
XVI, 231 p. 53 illus., 20 illus. in color. Hardcover. 155 x 235 mm
£ 82.00 | € 109.99
ISBN 978-3-319-59476-7

All Language Rights Available

Neurolaryngology

C. Sittel, Clinical Centre Stuttgart; O. Guntinas-Lichius, Jena University Hospital, Jena (Eds)

This book, endorsed by the European Laryngological Society, is a comprehensive guide to key topics in neurolaryngology, which enables readers to quickly identify and implement solutions in concrete situations likely to arise in everyday clinical practice. […]

Contents

Series Title
Springer Handbook of Auditory Research

September 2017
X, 270 p. 123 illus., 111 illus. in color. With online files/update. Hardcover. 178 x 254 mm
£ 100.50 | € 134.99
ISBN 978-3-319-61722-0

All Language Rights Available

Tinnitus and Stress

An Interdisciplinary Companion for Healthcare Professionals

A. Szczepak, Charité Universitätsmedizin, Berlin; B. Mazurek, Charité Universitätsmedizin, Berlin (Eds)

This book provides up-to-date scientific information on the pathways by which psychosocial stress can affect the auditory system and describes current approaches to the management of patients with stress-related tinnitus. […]

Contents
1 Introduction.- 2 Stress, glucocorticoids and their receptors.- 3 Allostasis and allostatic load.- 4 Stress-related conditions and tinnitus.- 5 Circadian sensitivity of auditory system.- 6 Animal models of tinnitus.- 7 Stress-related biomarkers.- 8 Psychometric instruments used in tinnitus clinics.- 9 Stress-related tinnitus treatment protocols.- 10 Stress-related outcome measures.- 11 Postface.

Series Title
Springer Handbook of Auditory Research

July 2017
XI, 200 p. 50 illus., 35 illus. in color. Hardcover. 155 x 235 mm
£ 66.99 | € 89.99
ISBN 978-3-319-58396-9

All Language Rights Available
Reoperative Parathyroid Surgery
Techniques and Tips for Success
R. Tufano, Johns Hopkins University School of Medicine Dept. of Otolaryngology, Baltimore, MD; P. K. Pellitteri, Guthrie Clinic Ltd/Guthrie Health System Dept. of Otolaryngology, Sayre, PA (Eds)

This text outlines the underlying reasons primary surgery for primary hyperparathyroidism may be unsuccessful as well as give tips on how to avoid this scenario. [...] 

Contents

August 2017
VIII, 65 p. Softcover. 155 x 235 mm
£ 49.99 | € 66.99
ISBN 978-3-319-60722-1

All Language Rights Available

Contemporary Management of Jugular Paraganglioma
G. B. Wanna, Mount Sinai Health System, New York, NY, USA; M. L. Carlson, Mayo Clinic School of Medicine, Rochester, NY, USA; J. L. Netterville, Vanderbilt University Medical Center, Nashville, TN, USA (Eds)

This text will serve as a useful resource for physicians managing jugular paragangliomas, the most common tumors of the jugular foramen. It reviews the challenges often faced in the management of these tumors due to the close proximity to critical adjacent structures including the dura, major vasculature, otic capsule and coursing cranial nerves. [...] 

Contents

August 2017
X, 317 p. 200 illus., 142 illus. in color. Hardcover. 155 x 235 mm
£ 82.00 | € 109.99
ISBN 978-3-319-60954-6

All Language Rights Available

Challenging Cases and Complication Management in Pain Medicine
M. Anitescu, University of Chicago Medicine, Chicago, IL, USA; H. T. Benzon, Northwestern University Feinberg Feinberg School of Medicine, Chicago, IL, USA; M. S. Wallace, Univ. of California San Diego School of Medicine, La Jolla, CA, USA (Eds)

This comprehensive book provides reviews of pain management complications that arise in clinical practice. [...] 

Contents

October 2017
X, 580 p. 123 illus., 53 illus. in color. Softcover. 210 x 279 mm
£ 73.00 | € 79.99
ISBN 978-3-319-60070-3

All Language Rights Available
Neonatal Pain
Suffering, Pain, and Risk of Brain Damage in the Fetus and Newborn

G. Buonocore, University of Siena, Siena; C. V. Bellieni, University Hospital of Siena, Siena (Eds)

This completely revised and updated edition offers a comprehensive overview of neonatal pain assessment and treatment. It includes the field of fetal surgery, and many other topics have been updated or added, such as circumcision analgesia, new drugs, new insights into neurophysiologic pathways of neonatal pain and new drawbacks of analgesic drugs. [...] 

Contents

Musculoskeletal Pain Conditions
A Comprehensive Guide

S. B. Kahn, Mount Sinai School of Medicine, New York, NY, USA; R. Y. Xu, Univ. of Texas Health Sci. Ctr. Department of Anesthesiology, San Antonio, TX (Eds)

Fulfilling the need for an easy-to-use resource on managing musculoskeletal disorders and sports injuries, this book provides differential diagnostic workups with recommended gold standard evaluations that lead to a simple and accurate diagnosis, followed by first-line treatment options. [...] 

Contents

Essentials of Interventional Techniques in Managing Chronic Pain

L. Manchikanti, A. D. Kaye, F. J.E. Falco, Mid Atlantic Spine, Newark, DE, USA; J. A. Hirsch, Massachusetts General Hospital, Boston, MA, USA (Eds)

This comprehensive review covers the full and latest array of interventional techniques for managing chronic pain. Chapters are grouped by specific treatment modalities that include spinal interventional techniques, nonspinal and peripheral nerve blocks, sympathetic interventional techniques, soft tissue and joint injections, and implantables. [...] 

Contents
Treatment of Chronic Pain Conditions
A Comprehensive Handbook
J. E. Pope, The Center for Pain Relief, Inc., Charleston, WV, USA; T. R. Deer, West Virginia University The Center for Pain Relief, Inc., Charleston, WV, USA (Eds)

There is an unmet need in both acute and chronic care settings for a comprehensive, clinically focused, fast reference on pain management. Written by high-profile, internationally recognized experts in field, Pain Treatment for Acute and Chronic Conditions: A Comprehensive Handbook is one of the first manuals of its kind to provide balanced and comprehensive coverage of pain medicine modalities. [...] Contents

XIII, 361 p. 85 illus., 62 illus. in color. Softcover. 210 x 279 mm
£ 159,50 | € 214,00
ISBN 978-1-4939-6974-6
All Language Rights Available

The Bethesda System for Reporting Thyroid Cytopathology
Definitions, Criteria, and Explanatory Notes
S. Z. Ali, The Johns Hopkins Hospital, Pathology, Baltimore, MD; E. S. Cibas, Harvard Medical School Brigham & Women's Hospital, Boston, MA, USA (Eds)
The first edition of The Bethesda System for Reporting Thyroid Cytopathology was published in 2010 and has greatly influenced the practice of thyroid cytopathology. The terminology proposed and illustrated in this text has been widely adopted not only in the U.S. but also abroad: [...] Contents

Overview of Diagnostic Terminology and Reporting.- Nondiagnostic/Unsatisfactory.- Benign.- Atypia of Undetermined Significance/Follicular Lesion of Undetermined Significance.- Follicular Neoplasm/Suspicious for a Follicular Neoplasm.- Follicular Neoplasm, Hürthle Cell (Oncocytic) Type/Suspicious for a Follicular Neoplasm, Hürthle Cell (Oncocytic) Type.- Suspicious for Malignancy.- Papillary Thyroid Carcinoma, Variants, and Related Tumors.- Medullary Thyroid Carcinoma. [...] August 2017
XV, 236 p. 224 illus. in color. Softcover. 155 x 235 mm
£ 33,99 | € 44,99
ISBN 978-3-319-60569-2
All Language Rights Available

Precision Molecular Pathology of Lung Cancer
P. T. Cagle, Houston Methodist Hospital, Houston, TX; T. C. Allen, University of Texas Medical Branch, Galveston, TX, USA; M. B. Beasley, Mount Sinai Medical Center, New York, NY, USA; L. R. Chirieac, Brigham & Women's Hospital, Boston, MA, USA; S. Dacic, University of Pittsburgh Medical Center, Pittsburgh, PA; A. C. Borczuk, Weill Cornell Medicine, New York, NY, USA; K. M. Kerr, Aberdeen University Medical School, Aberdeen, UK; L. M. Sholl, Brigham and Women's Hospital, Boston, MA; B. Portier, Roche Tissue Diagnostics, Ventana Medical Systems, Tucson, AZ, USA; E. Bernicker, Houston Methodist Hospital, Houston, TX, USA

This new edition provides the latest information and insights into the molecular basis for lung cancer. Since the publication of the previous edition of this volume, dramatic changes have occurred with the classification of lung cancer, biomarker testing, and molecular therapy. [...] Contents

X, 284 p. 57 illus., 55 illus. in color. Hardcover. 155 x 235 mm
£ 66,99 | € 89,99
ISBN 978-3-319-62940-7
All Language Rights Available
Rare Tumors of the Thyroid Gland

Diagnosis and WHO classification

J. M. Cameselle-Teijeiro, Complejo Hospitalario Universitario de S Dept. de Anatomía Patológica, Santiago De Compostela, Spain; C. Eloy, Institute of Molecular Pathology and Immunology of the University of Porto (IPATIMUP), Porto, Portugal; M. Sobrinho-Simões, Institute of Molecular Pathology and Immunology of the University of Porto (IPATIMUP), i3S - Instituto de Investigação e Inovação em Saúde, Porto, Portugal (Eds)

This book documents the most important clinicopathological features of rare thyroid tumours with an emphasis (and ample documentation) on their histological and immunohistochemical aspects. Whenever necessary, namely for differential diagnosis and/or therapy purposes, molecular data are also highlighted.

Contents
Introduction.- Clinical Features.- Patient Examination.- Sampling Methods.- Rare variants of Papillary Carcinoma (PTCs).- Rare variants of Follicular Carcinoma (FTCs).- Rare variants of Hürthle cell (oncocytic) carcinoma.- Rare variants of Medullary carcinoma (MTCs).

Precision Molecular Pathology of Uterine Cancer

M. T. Deavers, Houston Methodist Hospital, Houston, TX, USA; D. M. Coffey, Houston Methodist Hospital, Houston, TX, USA (Eds)

This text provides a comprehensive review for practicing pathologists to understand the molecular biology, diagnostics, and predictive markers and implications for therapy of uterine cancer.

Contents

Cell Therapy

Current Status and Future Directions

D. F. Emerich, NsGene, Inc., Providence, RI, USA; G. Orive, Paseo de la Universidad 7, Vitoria-Gasteiz (Eds)

This volume provides a comprehensive, state-of-the-art review of the field of cell therapy. The volume begins with an overview of the breadth of the field and then turns to overviews of imaging technologies that can aid in both safety and efficacy evaluations. The book then turns to numerous contributions detailing the rapidly growing field of stem cell therapies.

Contents
Liquid Biopsy in Cancer Patients
The Hand Lens for Tumor Evolution
A. Russo, Temple University Sbarro Institute for Cancer Research, Philadelphia, PA, USA; A. Giordano, University of Palermo School of Medicine, Palermo; C. Rolfo, University Hospital Antwerp, Edegem, Belgium (Eds)

This text is designed to provide readers with a useful and comprehensive resource and state-of-the-art overview about the new, growing and fast-expanding field of “liquid biopsy” for the management of cancer patients. The liquid biopsy represents an important turning point in oncology since it provides a tool for a serial monitoring of disease. […]

Contents
Introduction.- Precision Medicine: Are We There?- Clonal Cancer Evolution and Intra-tumor Heterogeneity.- Tissue vs. Liquid Biopsy: Opposite or Complementary?- Technical Aspects for the Evaluation of Circulating Tumor Cells (CTCs).- Technical Aspects for the Evaluation of Circulating Nucleic Acids (CNA): Circulating Tumor DNA (ctDNA) and Circulating MicroRNAs. […]

Series Title
Current Clinical Pathology

Pathology of the Cervix
C. S. Herrington. University of Edinburgh, Edinburgh Cancer Research Centre Genetics and Molecular Medicine, Edinburgh, UK (Ed)

This is the third volume in the Essentials of Diagnostic Gynecological Pathology series sponsored by the British Association of Gynecological Pathologists. Focusing on cervical pathology, it provides an update on current diagnostic criteria, the use of biomarkers and specimen handling. […]

Contents

Series Title
Essentials of Diagnostic Gynecological Pathology

Diagnosis and Management of Breast Tumors
A Practical Handbook and Multidisciplinary Approach
M. O. Idowu, Virginia Commonwealth University Health (VCU HEALTH), Richmond, VA, USA; P. A. Shah, Virginia Commonwealth University Health (VCU HEALTH), Richmond, VA, USA; M. H. Hackney, Virginia Commonwealth University Health (VCU HEALTH), Richmond, VA, USA; M. M. Grimes, Virginia Commonwealth University Health (VCU HEALTH), Richmond, VA, USA; C. E. Geyer, Jr., Virginia Commonwealth University Health (VCU HEALTH), Richmond, VA, USA; D. W. Arthur, Virginia Commonwealth University Health (VCU HEALTH), Richmond, VA, USA; H. D. Bear, Division of Surgical Oncology, Department of Surgery, Richmond, VA, USA (Eds)

This text is designed to present a practical and concise handbook on the diagnosis and management of breast diseases for quick reference by trainees and practitioners. […]

Contents

All Language Rights Available
Small Volume Biopsy in Pediatric Tumors
An Atlas for Diagnostic Pathology
J. Klijanienko MD PhD MIAC, Department of Pathology Institut Curie, Paris Cedex 05; Ž. Pohar Marinšek MD PhD, Department of Cytopathology Institute of Oncology, Ljubljana; H. A. Domanski, Skane Univ Hospital Department of Pathology, Lund (Eds)

This richly illustrated book will help presurgically diagnose pediatric/young adult tumors. The content is divided into two parts. The first part shows step-by-step how to perform a small volume specimen such as fine needle aspiration/core needle biopsy and how to correlate the morphology with the clinical, radiological, and/or molecular information.

Contents

Handbook of Practical Fine Needle Aspiration and Small Tissue Biopsies
F. Lin, Geisinger Health System, Danville, NY, USA; H. Liu, Geisinger Health System, Danville, PA, USA; J. Zhang, Mayo Clinic, Rochester, MN, USA; D. L. Kremitske, representing Geisinger Clinic, Danville, PA, USA

This handbook has been designed to provide a comprehensive and state-of-the-art review and update of the major issues and challenges specific to fine needle aspiration (FNA) and small tissue core biopsies, which have emerged as primary modalities in establishing a definitive cancer diagnosis in the field of anatomic pathology, both in the U.S. and worldwide.

Contents

The Practice of Surgical Pathology
A Beginner’s Guide to the Diagnostic Process
D. W. Molavi, Sinai Hospital of Baltimore Pathology, Baltimore, MD, USA

The second edition retains the informal and conversational voice, the brevity, and the goals of the first edition, but with new chapters, updated material, and expanded sections. The book is directed at the junior pathology resident, and goes first through some very basic introductory material, then progresses through each organ system.

Contents

Series Title
Medical Textbooks
Introduction to Statistical Methods in Pathology
A. Momeni, Downstate Medical Center, Brooklyn, NY, USA; M. Pincus, NY Harbor VA Medical Center, Brooklyn, NY, USA; J. Libien, State University of New York, Brooklyn, NY, USA

This text provides a comprehensive and practical review of the main statistical methods in pathology and laboratory medicine. It introduces statistical concepts used in pathology and laboratory medicine. The information provided is relevant to pathologists both for their day to day clinical practice as well as in their research and scholarly activities. [...] 

Contents
Diagnostic Laboratory Test.- Probability and probability distribution.- Applicability of diagnostic tests.- Cross tabulation.- Univariate analysis.- Multivariate analysis.- Imputation and missing data.- Forecasting and prognostic studies.- Gold standard and control in pathology and laboratory medicine.- Designing a pathology and laboratory study.- Evidence review and critical analysis of literature.- Statistical concepts in genomics and molecular pathology.- Introduction to pathology informatics.

Pediatric Cytopathology
A Practical Guide
S. E. Monaco, University of Pittsburgh Medical Center (UPMC), Pittsburgh, PA, USA; L. A. Teot, Boston Children’s Hospital, Boston, MA, USA (Eds)

This text presents serious challenges for trainees, clinicians, and practicing pathologists and cytopathologists due to the wide spectrum of diagnoses that may be seen in children and the lack of familiarity with these entities. This reference book has been designed as a practical, high-yield review of pediatric cytopathology. [...] 

Contents

Soft Tissue Pathology for Clinicians
K. Perry, Department of Pathology, Manitoba Health Science Centre, Winnipeg, MB

This text is constructed to educate clinicians on the general classification and diagnostic approach to soft tissue tumors, such that they feel more empowered to discuss the relevant features of particular cases with their pathology colleagues. Particular consideration is given to diagnostically and prognostically relevant ancillary studies. [...] 

Contents

Series Title
Pathology for Clinicians
Mediastinal Lesions
Diagnostic Pearls for Interpretation of Small Biopsies and Cytology

A. C. Roden, Mayo Clinic School of Medicine, Rochester, MN, USA; A. L. Moreira, New York University Langone Medical Center, New York, NY, USA (Eds)

This book addresses the current concepts in tissue acquisition, diagnosis, and classification of mediastinal lesions in small biopsies including cytology. Examples of mediastinal diseases that are either more common, more challenging to diagnose, or have a differential diagnosis that is important and might require different modes of treatment are highlighted. [..]

Contents

June 2017
XII, 271 p. 152 illus., 102 illus. in color. Hardcover.
155 x 235 mm
£ 66.99 | € 89.99
ISBN 978-3-319-48377-1

All Language Rights Available

Atlas of Infectious Disease Pathology

B. H. Schmittna University School of Medicine, Indianapolis, IN, USA (Ed)

Infectious diseases may be encountered in nearly every aspect of pathology. This atlas provides an informative reference for the identification of the common and esoteric pathogens, presenting in a wide array of specimen types. [..]

Contents
An Introduction to Infections Disease Pathology.- Bacterial Infections.- Viral Infections.- Fungal Infections.- Parasitic Infections.- Mimics and Artifacts

Series Title
Atlas of Anatomic Pathology

May 2017
XIV, 258 p. 418 illus., 417 illus. in color. Hardcover.
155 x 235 mm
£ 82.00 | € 109.99
ISBN 978-3-319-54701-5

All Language Rights Available

Pioneers in Pathology

J. G. van den Tweel, UMCU, Utrecht, The Netherlands (Ed)

This book presents a collection of short biographies and works of the pioneers in pathology. The alphabetically arranged entries allow readers to quickly and easily find the information they need.

Contents

Series Title
Encyclopedia of Pathology

July 2017
155 x 235 mm
£ 289.00 | € 388.51
ISBN 978-3-319-41996-1

All Language Rights Available
Umbilicus and Umbilical Cord
M. Fahmy, Al Azher University Pediatric Surgery, Cairo

This book discusses the importance of umbilical cord and umbilicus as a unique structure, in health and in different diseases. All congenital anomalies of the umbilical cord as well as acquired diseases are explained and discussed with illustrations and animations. [..]

Contents

Child Physical Abuse: Current Evidence, Clinical Practice, and Policy Directions
T. S. Hinds, Children's National Health System Freddie Mac Fdn Child Adol Protect Ctr, Washington, DC, USA; A. P. Giardino, Texas Children's Hospital, Houston, TX, USA

This eye-opening monograph challenges professionals across disciplines to take a more thorough and focused approach to addressing child physical abuse at the practice and policy levels. [..]

Contents

Series Title
SpringerBriefs in Public Health

Update in Pediatrics
S. Piteau, QHC Pediatrics, Belleville, ON (Ed)

This concise and comprehensive volume updates health professionals on recent advances in the field of pediatrics. It includes chapters in every subspecialty of pediatrics, such as critical care, development emergency medicine and genetics. [..]

Contents
Update in Adolescent Medicine.- Update in Allergy and Immunology.- Update in Cardiology.- Update in Child Abuse.- Update in Critical Care.- Update in Development and Autism.- Update in Emergency Medicine.- Update in Endocrinology.- Update in Gastroenterology.- Update in Hematology.- Update in Hospitalist Medicine.- Update in Infectious Disease.- Update in Metabolics and Genetics.- Update in Nephrology.- Update in Neonatology.- Update in Oncology. [..]
Gastroesophageal Reflux in Children

GER in Children

Y. Vandenplas, Kidz Health Castle, Brussels, Belgium (Ed)

This book provides a comprehensive overview of Gastroesophageal reflux (GER) in children, discussing its epidemiology, pathophysiology diagnosis and treatments. Readers will discover diverse perspectives of the contributing authors and extensive discussions of issues including GER in special patient populations and current approaches to GER diagnosis and management. [...] 

Contents

Ear Reconstruction

J. M. Avelar, Ear Institute, São Paulo, Brazil

This book comes to its second edition intending to broaden the discussion about the plastic surgical techniques for the reconstruction of the ear. It features a more in-depth discussion of the topics previously addressed, including chapters on microtia, anotia, the upper pole, auricular lobule and complications during and following ear surgery. [...] 

Contents
1 – Surgical anatomy concerning ear reconstruction.- 2 – Classification of congenital anomalies.- 3 – Associated anomalies with digenesis of the ear.- 4 – Surgical Principles.- 5 – Importance of Surgical Planning before operation.- 6 – Post operative care after ear reconstruction.- 7 – Reconstruction of the tragus.- 8 – Reconstruction of the auditory external canal.- 9 – Reconstruction of the ear on congenital anomalies.- 10 – Traumatic amputation of the ear. [...] 

Aesthetic and Functional Labiaplasty

S. Gress, Private Practice, München

This book provides surgeons with insights into performing aesthetic labiaplasty. After a short introduction on the anatomy and function of the external female genitals, surgical techniques used for reducing the labia minora as well as procedures to reshape the labia majora are described in detail. [...] 

Contents
Vertical Scar Mammaplasty
M. Hamdi, Department of Plastic and Reconstructive Surgery, Gent, Belgium (Ed)

Important advances have been achieved in vertical scar mammaplasty since the successful first edition of this book, which described the fundamentals of the technique. This new, completely revised and updated edition fully reflects the evolution in vertical scar mammaplasty during the past decade.

Contents

September 2017
X, 421 p. 593 illus., 576 illus. in color. With online files/update. Hardcover. 178 x 254 mm
£ 97.00 | € 129.99
ISBN 978-3-662-55449-4
All Language Rights Available

Simply Local Flaps
M. F. Klaassen, New Face Surgery Clinic, Epsom, AL, New Zealand; E. Brown, formerly Middlemore Hospital retired plastic surgeon, Auckland, AL, New Zealand; F. Behan, formerly Peter MacCallum Cancer Centre retired plastic surgeon, Melbourne, MLB, VIC, Australia

This book provides a useful framework for categorizing local flaps on the basis of their composition, blood supply, geometry and means of transfer. The initial chapters are dedicated to the fundamentals – the basic procedures, how to get started, and technical tips – as well as advice on wound care and scar management.

Contents

July 2017
X, 248 p. 259 illus., 198 illus. in color. Hardcover. 155 x 235 mm
£ 66.99 | € 89.99
ISBN 978-3-319-59399-9
All Language Rights Available

State of the art in Blepharo-plasty
From Surgery to the Avoidance of Complications
P. Kontoes, Hygeia Hospital and DrK Medical Group, Athens, Greece

This book focuses on the surgical procedure for aesthetically correcting ageing defects of the eyelids. After a brief introduction and a section on the anatomy of the periorbital area, the latest innovative techniques are described in detail with the aid of high-quality images. The author also presents his laser-assisted blepharoplasty technique.

Contents
Introduction.- Anatomy of the peri orbital area.- History of techniques.- Past and present in blepharoplasty.- Step by Step innovative techniques.- Single Suture Traction Technique.- Most common complication and how to avoid them.- How to treat and correct complications.- Summary of points of interest.

May 2017
X, 112 p. 104 illus. in color. Hardcover. 155 x 235 mm
£ 49.99 | € 66.99
ISBN 978-3-319-52641-6
All Language Rights Available
Facial Bone Contouring Surgery
A Practical Guide
S. Park, ID Hospital, Seoul (Ed)

This book is a practical and detailed guide on how to perform a range of surgical techniques for facial bone contouring. Based on the clinical experiences gained by the authors while carrying out more than 10,000 facial bone surgeries at their clinical institute in Seoul, Korea, each procedure is meticulously described and illustrated, step by step. [..]

Contents

Nipple-Areolar Complex Reconstruction
Principles and Clinical Techniques
M. A. Shiffman, Private Practice, Tustin, CA (Ed)

This book, written by leading international experts, deals exclusively with reconstruction techniques for the Nipple-Areolar Complex (NAC). The first chapters present the history of the Nipple-Areolar Complex reconstruction and the anatomy of this part of the body. [..]

Contents

Pediatric Umbilical Reconstruction
Principles and Techniques
M. A. Shiffman, Tustin, CA, USA (Ed)

The book starts with a short introduction to the topic, followed by a detailed description of the anatomical differences between extrophy and gastroschisis. In the following chapters, the authors describe the surgical umbilicoplasty for congenital defects in children. Outcomes and complications will be discussed in the last chapter. [..]

Contents
Pediatric and Adolescent Plastic Surgery for the Clinician

A. M. Vlahovic, University of Belgrade, New Belgrade, Serbia; E. Q. Haxhija, Medical University Graz, Graz

This book describes plastic surgery treatments in children for e.g. cleft lip and palate, polydactyly and syndactyly, pigment lesions, benign and malignant soft tissue tumors, and vascular anomalies. Every chapter starts with a short introduction, followed by sections on patient evaluation, treatment options and postoperative care. Supporting images and pitfalls are also included. [...]  

Contents

Physician Mental Health and Well-Being Research and Practice

K. J. Brower, University of Michigan, Ann Arbor, MI, USA; M. B. Riba, University of Michigan, Ann Arbor, MI, USA (Eds)

This book explores the important topic of mental health and related problems among physicians, including trainees. The all-too-common human response of “suffering in silence” and refusing to seek help for professional and personal issues has ramifications for physicians who work in safety-sensitive positions, where clear-headed judgment and proper action can save lives. [...]  

Contents

Series Title
Integrating Psychiatry and Primary Care

Pediatric Psychogenic Non-Epileptic Seizures

A Treatment Guide

R. Caplan, UCLA, Los Angeles, CA, USA; J. Doss, Minnesota Epilepsy Group, St. Paul, MN, USA; S. Plioplys, Northwestern University, Chicago, IL, USA; J. E. Jones, University of Wisconsin School of Medicine and Public Health, Madison, WI

This volume describes the basics for short- and long-term treatment of Psychogenic Non-Epileptic Seizures (PNES) in children. The text acknowledges that the disorder, though rare and highly morbid, is treatable when it is not misdiagnosed. [...]  

Contents
Introduction and Overview.- Overview.- The underlying psychopathology, triggers, and risk factors.- Gold standard diagnosis.- Why is it difficult to diagnose pediatric PNES?- Red flags during the clinical exam.- Techniques for the child diagnostic interview.- Strategies to use in the Initial parent interview.- Introduction: The importance of the feedback.- How to present feedback and treatment plan to the parents.- Approaches to use in the child feedback and description of the treatment plan.- Combined parent and child feedback and treatment plan. [...]  

Series Title
Integrating Psychiatry and Primary Care
This handbook discusses the medications used in the treatment of neurological and psychiatric diseases from the perspective of practicing clinicians. There is a considerable overlap between these two specialties with both sides using drugs of the other specialty. [...]  

Contents  

September 2017  
X, 346 p. 174 illus., 6 illus. in color. Hardcover. 155 x 235 mm  
£ 82.00 | € 109,99  

All Language Rights Available
**Biologics to Treat Substance Use Disorders**

*Vaccines, Monoclonal Antibodies, and Enzymes*

**I. D. Montoya**, National Institutes of Health, Bethesda, USA (Ed)

This book is a scientific compendium documenting the state of the art in the discovery and development of vaccines, monoclonal antibodies, and enzymes for the treatment of Substance Use Disorders (SUDs).

**Contents**


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**Quick Guide to Psychiatric Emergencies**

*Tools for Behavioral and Toxicological Situations*

**K. D. Nordstrom**, Denver Health Medical Center, Denver, CO, USA; **M. P. Wilson**, San Diego, CA, USA (Eds)

This volume provides an "on-the-go" guide to the most common behavioral emergencies a physician may encounter. Each chapter represents a disease state or symptom cluster and concisely summarizes the disease state, provides background, symptoms and signs, differential diagnoses, and immediate and long-term treatment options.

**Contents**


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**Phenomenology of Suicide**

*Unlocking the Suicidal Mind*

**M. Pompili**, Sapienza University Rome, Rome (Ed)

This book will help the reader to understand the suicidal mind from a phenomenological point of view, shedding light on the feelings of suicidal individuals and also those of clinicians.

**Contents**

**Brief Interventions for Psychosis**

**A Clinical Compendium**

**B. Pradhan**, Cooper University Hospital, Camden, NJ, USA; **N. Pinninti**, Rowan University SOM, Cherry Hill, NJ, USA; **S. Rathod**, Southern Health NHS Foundation Trust, Southampton, UK (Eds)

This book offers a clinical guide that brings together a broad range of brief interventions and their applications in treating psychosis. It describes two core approaches that can narrow the current, substantial gap between the need for psychotherapeutic interventions for all individuals suffering from psychosis, and the limited mental health resources available. [..]

**Contents**

Brief Interventions for Psychosis: Overview and Future Directions.- Integrated Pathways of Care for Psychosis: An Overview.- Brief Cognitive Behavior Therapy for Psychosis.- Avatar Therapy for Refractory Auditory Hallucinations.- Yoga and Mindfulness Based Cognitive Therapy for Psychosis (Y-MBCTp©): A Pilot Study on its Efficacy as Brief Therapy.- Brief Treatment of Psychosis from a Developmentally Informed Psychoanalytic Perspective. [..]

**Mental Health Economics**

**The Costs and Benefits of Psychiatric Care**

**D. Razzouk**, Universidade Federal de São Paulo, São Paulo, Brazil (Ed)

The main objective of this work is to provide a book with high quality content that becomes a reference and support for graduate course (Mental Health, Public Health and Epidemiology) and for research in the domain of health economics applied to mental health. Also this book might be useful for policymakers on formulating mental health policies. [..]

**Contents**


**Psychiatrists in Combat**

**Mental Health Clinicians’ Experiences in the War Zone**

**E. C. Ritchie**, Uniformed Services University of the Health Sciences, Bethesda, MD, USA; **C. H. Warner**, Uniformed Services University, Bethesda, MD, USA; **R. N. McLay**, San Diego County Mental Health, San Diego, CA, USA (Eds)

This book tells the professional and personal experiences of American military psychiatrists and their colleagues in the longest conflict in American history. [..]

**Contents**

Quality of Life Deficit in Mental Disorders
A Target for Therapy
M. S. Ritsner, Israel Institute of Technology Sha’ar Menashe Mental Health Center, Hadera, Israel; R. Kurs, Sha’ar Menashe Mental Health Center Mobile Post Hefer, Hadera, Israel

Going beyond the psychosocial aspects of quality of life and delving into the neurobiological basis of emotions, feelings and satisfaction, this unique title provides a state-of-the-art overview of subjective quality of life for people with severe mental disorders such as schizophrenia, schizoaffective disorders, major depressive disorder and bipolar disorder (mood disorders). [..]

Contents

Mental Health and Social Issues Following a Nuclear Accident
The Case of Fukushima
J. Shigemura, Department of Psychiatry National Defense Medical College, Tokorozawa; R. K. Chhem, Cambodia

This book focuses on mental health issues arising in the wake of the Fukushima nuclear disaster. Three years after the 11 March 2011 Great East Japan Earthquake, tsunamis, and Fukushima Daiichi nuclear accident, roughly 130,000 individuals continue to face enormous burdens as a result of mandatory evacuation. [..]

Contents

Pharmacovigilance in Psychiatry
E. Spina, Department of Clinical and Experimental Medicine, Messina; G. Trifirò, Department of Clinical and Experimental Medicine, Messina (Eds)

The first authoritative textbook specifically addressing issues of the field, this book delivers a focused discussion on several themes in psychiatry while providing a sound background on pharmacovigilance. Internationally-recognised researchers, clinicians and pharmacovigilance experts contributed to this textbook, giving it the benefit of different perspectives and years of experience. [..]

Contents
Geriatric Telepsychiatry
A Clinician’s Guide

S. Srinivasan, University of South Carolina School of Medicine, Columbia, SC, USA; J. Glover, University of South Carolina School of Medicine, Columbia, SC, USA; J.G. Bouknight, University of South Carolina School of Medicine, Columbia, SC, USA (Eds)

This book provides a basic introduction to geriatric telepsychiatry, including potential benefits and drawbacks of utilizing this treatment modality. The text discusses applications in academic, public, federal, and educational settings and suggests practical guidelines for implementing and maintaining a telepsychiatry program. [...]

Contents
Introduction.- Overview of Telepsychiatry in Geriatrics.- Economics of Telehealth in Geriatric Psychiatry.- Geriatric Telepsychiatry in Academic Settings.- Administration of New Telepsychiatry Programs in Public Psychiatry and Applications in Geriatrics.- Gero-Telehealth in VA systems.- Scope of Geriatric Telepsychiatry in Clinical Settings.- Technology Applications and Implications for Implementation.

Psychiatry and the Law
Basic Principles

T. Wasser, Yale University School of Medicine, Newhaven, CT (Ed)

This book is specifically designed for new psychiatrists and all other medical professionals who lack the training necessary to confront the complicated legal and ethical issues that arise at the intersection of the mental health and judicial systems. [...] Contents

The Economics of Obesity
Poverty, Income Inequality and Health

T. Alavi Hojjat, DeSales University, Center Valley, PA, USA; R. Hojjat, New York, NY, USA

Providing a fascinating insight into the factors that influence individual choices regarding eating habits, diet and other behavioral patterns relevant to obesity, this book offers a new perspective about the relationship of obesity to poverty and inequality. [...] Contents

Series Title
SpringerBriefs in Public Health
Patient Navigation
Overcoming Barriers to Care
E. A. Calhoun, University of Illinois at Chicago, Chicago, IL, USA; A. Esparza, American Cancer Society, Atlanta, GA, USA (Eds)

Documenting the success and result of patient navigation programs, this book represents the culmination of years of research and practical experience by scientific leaders in the field. [...] 

Contents

June 2017
XII, 145 p. 17 illus. in color. Hardcover. 155 x 235 mm
£ 66.99 | € 89.99
ISBN 978-1-4939-6977-7
All Language Rights Available

Human Trafficking Is a Public Health Issue
A Paradigm Expansion in the United States
M. Chisolm-Straker, Icahn School of Medicine at Mount Sinai, New York, NY, USA; H. Stoklosa, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA (Eds)

This clear-sighted reference examines the public health dimensions of labor and sex trafficking in the United States, the scope of the crisis, and possibilities for solutions. Its ecological lifespan approach globally traces risk and protective factors associated with this exploitation, laying a roadmap towards its prevention. [...] 

Contents

May 2017
XXXVII, 457 p. 15 illus., 13 illus. in color. Hardcover. 155 x 235 mm
£ 126.50 | € 169.99
ISBN 978-3-319-47823-4
All Language Rights Available

Global Perspectives on Women's Sexual and Reproductive Health Across the Lifecourse
S. Choudhury, University of Miami, San Juan, PR, USA; J. T. Erausquin, University of North Carolina Greensboro, Greensboro, NC, USA; M. Withers, USC Institute for Global Health, Los Angeles, CA, USA (Eds)

This expansive survey spotlights pervasive issues affecting girls' and women's sexual and reproductive health across the lifecourse. Research from diverse countries around the world analyzes the complex relationships among biological, psychological, sociocultural, and economic issues—particularly in terms of inequities—as they shape women's lives. [...] 

Contents
The role of Balinese culture in explaining inconsistencies between fertility intentions and reproductive outcomes.— 1. Sexual decision-making and African women.— 2. Women's partner relationships and reproductive and sexual health in Lusaka, Zambia.— 3. How does fertility decline influence gender equality? Evidence from Tamil Nadu, India.

August 2017
XX, 415 p. 19 illus., 9 illus. in color. Hardcover. 155 x 235 mm
£ 126.50 | € 169.99
ISBN 978-3-319-60416-9
All Language Rights Available
Sports-Based Health Interventions
Case Studies from Around the World
D. Conrad, Hertfordshire County Council, Hertford, UK; A. White, Leeds Beckett University, Leeds (Eds)

This unique volume explores a growing collaboration between the sport and health sectors to deliver innovative public health interventions in the community. It explores the role of sport and sports settings as a vehicle for achieving health outcomes, as well as some of the practical and moral challenges presented by sport and public health partnerships working together.

Contents

June 2017
XXV, 324 p. 24 illus., 2 illus. in color. Hardcover. 155 x 235 mm
£ 59.99 | € 79.99
ISBN 978-1-4614-5995-8
All Language Rights Available

Novel Psychoactive Substances
Policy, Economics and Drug Regulation
O. Corazza, University of Hertfordshire, Hatfield, UK; A. Roman-Urrestarazu, University of Cambridge, Cambridge, UK (Eds)

In light of the recent emergence of Novel Psychoactive Substances (NPS) on a global scale, this book provides a timely analysis of the social and economic impact of the NPS phenomenon, and of the global policy and regulatory responses to it.

Contents

August 2017
XXII, 177 p. 8 illus., 6 illus. in color. Hardcover. 155 x 235 mm
£ 100.50 | € 134.99
ISBN 978-3-319-60599-9
All Language Rights Available

Why Hospitals Fail
Between Theory and Practice
P. Godbole, Sheffield Children’s NHS Foundation Trust, Sheffield, UK; D. Burke, Sheffield Children’s NHS Foundation Trust, Sheffield, UK; J. Aylott, International Academy of Medical Leadership, Sheffield, UK (Eds)

This book explores the current wider political, social and economic context of hospitals in the public and private sector globally and identifies the push and pull tension between the demands of the quality regulator and the requirements of health care commissioning processes.

Contents
The challenge of context.- What are the factors that cause failure?- Return on investment of engaged and skilled medical staff.- Contribution of medical leaders to successful transformational change.- Theory of Leadership.- Team Working.- Change and OD.- Learning Styles, undertaking a self assessment of leadership learning needs.- Strategic planning.- Transformation, Efficiency, Effectiveness.- Clinicians versus managers or the new hybrid?- Practice.- Case Studies.

July 2017
X, 172 p. 54 illus., 36 illus. in color. Hardcover. 178 x 254 mm
£ 126.50 | € 169.99
ISBN 978-3-319-56223-0
All Language Rights Available
Cultural Competence in Health
A Review of the Evidence
C. Jongen, Central Queensland University, Cairns, QLD, Australia; J. McCalman, James Cook University, Smithfield, QLD, Australia; R. Bainbridge, James Cook University, Smithfield, QLD, Australia; A. Clifford, The University of Queensland, Brisbane, QLD, Australia

This resource supports evidence-informed approaches to improving the cultural competence of health service delivery. [...]

Contents

Series Title
SpringerBriefs in Public Health

Structural Dynamics of HIV Risk, Resilience and Response
D. Kerrigan, Johns Hopkins Bloomberg, Baltimore, MD, USA; C. Barrington, Univ North Carolina, Health Behavior., Chapel Hill, NC, USA (Eds)

This book examines the structural dynamics of HIV among populations at heightened vulnerability to infection as the result of stigma, discrimination and marginalization. It first examines how the socio-structural context shapes HIV risk and how affected populations and national governments and programs have responded to these structural constraints. [...]

Contents
Foreword - Richard Parker and Peter Aggleton.- Introduction - Deanna Kerrigan and Clare Barrington.- Understanding HIV Disparities among Transgender Women in Guatemala: Linking Social and Structural Factors to HIV Vulnerability - Clare Barrington, Cesar Galindo Arandi, José Manuel Aguilar-Martínez, and William M. Miller.- From Structural Analysis to Pragmatic Action: The Meso-Level Modifiable Social Determinants of HIV Vulnerability for Labor Migrants [...]

Series Title
Social Aspects of HIV

The Other Side of Resilience to Terrorism
A Portrait of a Resilient-Healthy City
B. Lucini, Catholic University of Sacred Heart, Milano

This timely treatise introduces an innovative prevention/preparedness model for cities to address and counter terrorist threats and events. It offers theoretical background, mixed-method research, and tools for creating a resilience-based response to terrorism, as opposed to the security-based frameworks commonly in use worldwide. [...]

Contents
The Other Side of Resilience.- The theoretical relationships among security, resilience, migration, and terrorism.- A portrait of a resilient–healthy city: urban resilience, migration, and terrorism threats.- The theoretical and methodological implications of terrorism and urban resilience.- Milan city: a journey through the traces and signs of the other side of resilience.- The portrait: Centro storico.- The portrait: Stazione centrale, Gorla, Turro, Greco, Crescenzago.- The portrait: Città Studi, Lambrate, Venezia. [...]

Series Title
The Other Side of Resilience to Terrorism

October 2017
X, 155 p. 4 illus. in color. Softcover. 155 x 235 mm
£ 37,99 | € 49,99

All Language Rights Available

October 2017
X, 223 p. 14 illus., 10 illus. in color. Hardcover. 155 x 235 mm
£ 100,50 | € 134,99
ISBN 978-3-319-63521-7

All Language Rights Available

October 2017
XVII, 194 p. 27 illus., 2 illus. in color. Hardcover. 155 x 235 mm
£ 100,50 | € 134,99
ISBN 978-3-319-56942-0

All Language Rights Available
Multi-Criteria Decision Analysis to Support Healthcare Decisions

K. Marsh, Evidera, London, UK; M. Goetghebeur, University of Montreal and LASER Analytica, Montréal, QC, Canada; P. Thokala, University of Sheffield, Sheffield, UK; R. Baltussen, Radboud University Medical Center, Nijmegen, The Netherlands (Eds)

Representing the first collection on the topic, this book builds from foundations to case studies, to future prospects, providing the reader with a rich and comprehensive understanding of the use of multi-criteria decision analysis (MCDA) in healthcare. [...] 

Contents

May 2017
VI, 329 p. 34 illus., 14 illus. in color. Hardcover. 155 x 235 mm
£ 82.00 | € 109.99
ISBN 978-3-319-47538-7

All Language Rights Available

HIV/AIDS in Rural Communities
Research, Education, and Advocacy

F. M. Parks, Georgia Southern University, Statesboro, GA, USA; G. S. Felzien, Georgia Department of Public Health, Atlanta, GA, USA; S. Jue, Organizational and Diversity Consultant, Los Angeles, CA, USA (Eds)

This wide-ranging volume reviews the experience and treatment of HIV/AIDS in rural America at the clinical, care system, community, and individual levels. Rural HIV-related phenomena are explored within healthcare contexts (physician shortages, treatment disparities) and the social environment (stigma, the opioid epidemic), and contrasted with urban frames of reference. [...] 

Contents

July 2017
XV, 157 p. 15 illus., 9 illus. in color. Hardcover. 155 x 235 mm
£ 66.99 | € 89.99
ISBN 978-3-319-56238-4

All Language Rights Available

Nutritional Adequacy, Diversity and Choice among Primary School Children
Policy and Practice in India

S. R. Seshadri, Azim Premji University PES Institute of Technology Campus, Bangalore; J. Ramakrishna, Tufts University School of Medicine, Boston, USA (Eds)

This book highlights the reality of malnutrition among school-age children in India and relates it with dietary adequacy, diversity and choice. Using empirical data from field research conducted in Karnataka, India, it documents the nutritional status of school-going children, and examines the socio-economic determinants. [...] 

Contents

October 2017
XIV, 170 p. 11 illus. in color. Hardcover. 155 x 235 mm
£ 37.99 | € 49.99

All Language Rights Available
Health System Redesign
Achieving a Person-Centered, Equitable, and Sustainable Health System
J. P. Sturmberg, Wamberal, NSW, Australia

This forward-looking volume challenges professionals and interested lay readers to reconsider our ways of looking at health and wellness, illness and disease, and the goals of health-care systems. Reframing health systems as complex adaptive systems, the book identifies health care as a central aspect of social care and security for all people, particularly the most vulnerable. 

Contents

High Performance in Hospital Management
A Guideline for Developing and Developed Countries
E. Weimann, University of Cape Town, Cape Town, South Africa; P. Weimann, University of Cape Town, Cape Town, South Africa

This book provides a broad overview of what is needed to run hospitals and other health care facilities effectively and efficiently. 

Contents
Engage your nurses, clinicians and patients to drive your hospital.- Create a corporate identity.- Develop your vision and communicate it.- Face your competitors.- Improve communication and appreciation.- Create positive attitudes towards change.- Develop and communicate your strategy.- Find the best staff and develop their skills.- Manage your conflicts professionally.- Be a visionary leader. 

Neuroimaging: Anatomy Meets Function
N. Agarwal, Hospital Santa Maria del Carmine, Rovereto; J. Port, Mayo Clinic, Rochester, MN, USA (Eds)

This book combines classic MR anatomy with current understanding of human brain function. Recent advances in neuroscience have highlighted the importance of correlating brain anatomy with underlying brain function, since the brain contains a highly sophisticated organization of anatomical and functional relationships that are not readily “visible” with standard imaging. 

Contents

September 2017
X, 190 p. 77 illus., 72 illus. in color. Hardcover. 155 x 235 mm
£ 66.99 | € 89.99
ISBN 978-3-319-64604-6
All Language Rights Available

High Performance in Hospital Management
September 2017
XIX, 219 p. 65 illus., 57 illus. in color. Hardcover. 155 x 235 mm
£ 66.99 | € 89.99
ISBN 978-3-662-49658-9
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Neuroimaging: Anatomy Meets Function
August 2017
XVIII, 275 p. 173 illus., 71 illus. in color. Hardcover. 178 x 254 mm
£ 66.99 | € 89.99
ISBN 978-3-319-57426-4
All Language Rights Available
Imaging Acute Abdomen in Children
F. Avni, Jeanne de Flandre Hospital Dept. of Pediatric Imaging, Lille Cedex, France; P. Petit, Timone-Enfants, Marseille Cedex 05, France (Eds)

This book aims to equip readers with a sound understanding of the imaging strategies that are appropriate in children with acute abdominal conditions. The starting points are the clinical conditions, which are outlined in an introduction presented by pediatric experts in emergency medicine, and the age groups, with differentiation of children and infants from neonates. [..]

Contents

Applied Cerebral Angiography
Normal Anatomy and Vascular Pathology
G. B. Bradac, University of Turin, Turin

This book offers detailed guidance on the diagnostic use of cerebral angiography based on precise description of the angiographic appearances of normal anatomy and pathological conditions. [..]

Contents
Aortic Arch and Origin of the Cranial Cerebral Arteries.. Carotid Artery.. External Carotid Artery.. Anterior Cerebral Artery.. Middle Cerebral Artery.. Extra- and Intracranial Vertebrobasilar Sector.. Posterior Cerebral Artery.. Vascular Territories.. Cerebral Veins.. Extracranial Venous Drainage.. Aneurysms.. Vascular Malformations of the Central Nervous System.. Dural Arteriovenous Fistulas.. Arteriovenous Fistulas.. Atherosclerosis.. Spontaneous Dissection of Carotid and Vertebral Arteries.. Other Non-atherosclerotic Vascular Pathologies.. Cardiac Diseases. [..]

Tutorials in Endovascular Neurosurgery and Interventional Neuroradiology
J. V. Byrne, Oxford University, Oxford, UK

The new edition of this book updates an established text written for trainees and practicing endovascular therapists. The content is based on the curriculum of the Endovascular Neurosurgery MSc degree course at Oxford University and its tutorial system of teaching. The tutorial is a learning episode focused on a particular topic. [..]

Contents
Embryology of the Cranial Circulation.. Cranial Arterial Anatomy.. Cranial Venous Anatomy.. Spinal Vascular Anatomy.. Control of Cerebral Blood Flow.. Control of Intravascular Thrombosis.. Cranial Anastomoses and Dangerous Vascular Connections.. Arterial Aneurysms.. Vascular Malformations of the Brain.. Cranial Dural Arteriovenous Fistulas.. Endovascular Management of Carotid Cavernous.. Vein of Galen and Non-Galenic Cerebral Arteriovenous Fistulas.. Vascular Malformations of the Spinal Cord.. Head and Neck Vascular Lesions.. Embolisation of Intracranial and Skull Base Tumours. [..]
PET/CT in Radiotherapy Planning
S. Chua, Royal Marsden NHS Foundation Trust, Sutton, UK (Ed)

This pocket book offers a succinct but comprehensive overview of the role of PET/CT in radiotherapy planning. Individual chapters are devoted to specific application of the technique to particular tumor types, including non-small cell lung, gastrointestinal, head and neck squamous cell, prostate, gynecological, and pediatric tumors. [...] 

Contents

Series Title
Clinicians’ Guides to Radionuclide Hybrid Imaging

Imaging Mass Spectrometry
Methods and Protocols
L. M. Cole, Sheffield Hallam University, Sheffield, UK (Ed)

This volume addresses the various techniques and novel applications of mass spectrometry imaging (MSI) and its role as a discovery tool in the field of proteomics, lipidomics, and metabolomics. [...] 

Contents
'A Future Amalgamation between the Scientist and the Clinician?'.- Fresh Frozen Versus Formalin Fixed Paraffin Embedded for Mass Spectrometry Imaging.- Imaging MS of Rodent Ocular Tissues and the Optic Nerve.- MALDI-MSI of Lipids in Human Skin.- MALDI-MSI Analysis of Cytological Smears: The Study of Thyroid Cancer.- Droplet-Based Liquid Extraction for Spatially-Resolved Microproteomics Analysis of Tissue Sections.- DESI Mass Spectrometry Imaging (MSI). [...] 

Series Title
Methods in Molecular Biology

PET/CT in Prostate Cancer
G. Cook, King’s College London, London, UK (Ed)

This pocket book explains the significant and well-documented impact that PET/CT can have on the management of prostate cancer through the provision of high-quality evidence regarding function and structure. [...] 

Contents
Epidemiology and Clinical Features of Prostate cancer.- Pathology of prostate cancer.- Management of Prostate Cancer.- Prostate cancer: Radiological Imaging.- The Role of PET/CT in Prostate Cancer Management.- Role of radiolabelled small molecules binding to PSMA in diagnosis and therapy of prostate cancer.- PET/CT in radiotherapy planning: current evidence in prostate cancer.

Series Title
Clinicians’ Guides to Radionuclide Hybrid Imaging
Basics of Abdominal, Gynaecological, Obstetrics and Small Parts Ultrasound
R. K. Diwakar, C.C.M. Medical College & Hospital Dept of Radio-diagnosis, Durg (Ed)

This book offers an essential guide for postgraduates, obstetricians and gynaecologists (including teaching faculty), helping them develop workflows for the early detection and assessment of high-risk pregnancies & pregnancy with IUGR using colour Doppler applications and transfontanelar cranial sonography in premature new-borns during routine ultrasonography. [...] 

Contents
Orthopedic Nuclear Medicine
A. H. Elgazzar, Kuwait University, Safat

This book, now in a revised and updated second edition, offers a comprehensive overview of the state of the art in orthopedic nuclear medicine, including the impressive recent advances in the field and the diagnosis of under-recognized conditions on the basis of their imaging patterns.

Contents
Basic Sciences of Bone and Joint Diseases.- Diagnosis of Inflammatory Bone Diseases.- Diagnosis of Metabolic, Endocrine and Congenital Bone Disease.- Diagnosis of Traumatic Disorders.- Diagnosis of Circular Disorders.- Neoplastic Bone Diseases.- Diagnosis of Joint Disorders.- Bone Marrow Imaging.-Diagnosis of Soft Tissue Calcification.- Hybrid Imaging in the Diagnosis of Bone Diseases.- Therapeutic Use of Radionuclides in Bone and Joint Disease.

Super-Resolution Microscopy
Methods and Protocols
H. Erflé, BioQuant, Heidelberg University, Heidelberg (Ed)

This volume presents current advanced technologies and methods used in super-resolution microscopy.

Contents

Series Title
Methods in Molecular Biology

Rapid Prototyping in Cardiac Disease
3D Printing the Heart
K. M. Farooqi, Rutgers New Jersey Medical School, Newark, NJ, USA (Ed)

This book provides an overview of the use of rapid prototyping in patients with cardiac pathology. With the exponential increase in the use of prototyping, or 3D printing technology, medical applications are becoming more widespread across specialties.

Contents
Musculoskeletal Diseases 2017-2020

Diagnostic Imaging

J. Hodler, University Hospital of Zurich, Zürich; R. A. Kubik-Huch, Cantonal Hospital of Baden, Baden; G. K. von Schulthess, University Hospital of Zurich, Zürich (Eds)

This book focuses on musculoskeletal imaging: during the last few years, there have been considerable advances in this area, driven by clinical as well as technological developments. [..]

Contents


Doppler Echocardiography in Infancy and Childhood

M. Hofbeck, Universitätskinderklinik Tübingen Abt. Kinderkardiologie, Tübingen; K. Deeg, Pediatric Clinic of the Sozialsstiftung Bamberg, Bamberg; T. Rupprecht, Klinikum Bayreuth GmbH Klinik für Kinderheilkunde/Jugendmedizin, Bayreuth

This book covers the full range of Doppler echocardiography in infants and children, documenting the wide variety of potential findings with the aid of a wealth of high-quality images. [..]

Contents


PET/CT in Melanoma

M. S. Hofman, Peter MacCallum Cancer Centre, Melbourne, VIC, Australia; R. J. Hicks, University of Melbourne, Melbourne, VIC, Australia (Eds)

This pocket book provides up-to-date guidance on the use of PET/CT in patients with melanoma, which is of rapidly growing importance due to the emergence of immunotherapy. The role of PET/CT in diagnostic workup, staging, treatment selection, prognostication, and follow-up is clearly explained. [..]

Contents

Melanoma.- Pathology.- Management.- Radiology.- PET/CT in Melanoma.- PET/CT in Melanoma: Normal variations, artefacts and pitfalls.- PET/CT in Melanoma:Teaching Cases.

Series Title

Clinicians’ Guides to Radionuclide Hybrid Imaging
Imaging Infections
From Bench to Bedside
S. K. Jain, Johns Hopkins University School of Medicine, Baltimore, MD, USA (Ed)

This book brings together multi-disciplinary expertise to provide comprehensive information about molecular imaging of infectious diseases. Also described are the development of new imaging technologies for infectious disease and their translation to the clinic. [...] 

Contents

Oncologic Imaging: Bone Tumors
H. S. Kang, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Seongnam, Korea (Republic of); J. M. Ahn, Seoul National University Bundang Hospital, Seongnam, Korea (Republic of); Y. Kang, Seoul National University Bundang Hospital, Seongnam, Korea (Republic of)

This book aims to provide readers with a sound understanding of the spectrum of radiologic appearances of bone tumors, which reflect histopathology, and the pattern analysis of imaging findings. The first part of the book explains basic concepts and diagnostic parameters, including demographics, lesion location, biological activity, matrix mineralization, and endosteal and periosteal reactions. [...] 

Contents

Oncologic Imaging: Soft Tissue Tumors
H. S. Kang, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Seongnam, Korea (Republic of); S. H. Hong, Seoul National University College of Medicine, Seoul National University Hospital Seoul, Korea (Republic of); J. Choi, Seoul National University Hospital Seoul, Korea (Republic of); H. J. Yoo, Seoul National University Hospital Seoul, Korea (Republic of)

This book helps readers to overcome the challenges encountered during the imaging diagnosis of soft tissue tumors due to their diversity and the significant overlap in imaging features between different tumors. It does so by fostering familiarization with typical findings and clearly explaining the pattern analysis of soft tissue tumors. [...] 

Contents
PET/CT in Hodgkin's Lymphoma
I. Kayani, University College London Hospitals NHS, London, UK (Ed)

This book is a pocket guide to the practice of PET/CT imaging of Hodgkin's lymphoma. The role of PET/CT in Hodgkin's lymphoma, the characteristic findings and patterns, and the advantages and limitations of this hybrid modality are all clearly described. [..]

Contents

Series Title
Clinicians' Guides to Radionuclide Hybrid Imaging

Atlas of Coronary Intravascular Optical Coherence Tomography
A. Kini, Mount Sinai Hospital, New York, NY, USA; J. Narula, Mount Sinai Hospital, New York, NY, USA; Y. Vengrenyuk, Mount Sinai Hospital Icahn School of Medicine, New York, NY, USA; S. Sharma, Mount Sinai Hospital, New York, NY, USA

This atlas is a practical and fully illustrated guide to the use of intravascular OCT in diagnosis and treatment of coronary artery disease. It consists of two parts. [..]

Contents

Imaging in Bariatric Surgery
A. Laghi, University of Rome SAPIENZA, Rome; M. Rengo, University of Rome SAPIENZA, Rome (Eds)

This book offers detailed guidance on the use of imaging in the context of bariatric surgery. After a summary of the types of surgical intervention, the role of imaging prior to and after surgery is explained, covering both the normal patient and the patient with complications. [..]

Contents
1 Introduction.- 2 General Introduction on Obesity.- 3 Surgical Techniques.- 4 Role of Imaging before Surgery: what the Surgeons Need to Know.- 5 Role of Imaging after Surgery in Normal Patient.- 6 Imaging of Bariatric Surgery Complications.- 7 How to Treat Complications the Role of Interventional Radiology.- 8 How to Treat Complications with Endoscopy.- 9 The Anesthesiologic Management of the Obese Patient.

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X, 37 p. 84 illus. in color. With online files/update. Hardcover.
210 x 279 mm
£ 82.00 | € 109.99
ISBN 978-3-319-62664-2

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August 2017
X, 111 p. 49 illus., 4 illus. in color. Hardcover.
178 x 254 mm
£ 49.99 | € 66.99
ISBN 978-3-319-49297-1

All Language Rights Available
Interventional Radiology for Medical Students

H. K. Kok, Beaumont Hospital, Dublin, Ireland; E. Ryan, Beaumont Hospital, Dublin, UK; H. Asadi, Beaumont Hospital, Dublin, Ireland; M. Lee, Beaumont Hospital and Royal College, Dublin, Ireland (Eds)

This book provides easily accessible technique specific information on interventional radiology (IR) procedures at a basic level for medical students and junior doctors. It covers subject topics in both vascular and non-vascular interventional radiology appropriate for a non-specialist audience. [...] 

Contents


Imaging and Metabolism

J. S. Lewis. Memorial Sloan Kettering Cancer Center, New York, NY, USA; K. R. Keshari, Memorial Sloan Kettering Cancer Center, New York, NY, USA (Eds)

This book presents advanced molecular imaging techniques used to assess metabolic function. Covering state-of-the-art modalities, it discusses the evaluation of a wide range of diseases that have a metabolic component, including cancer, inflammatory conditions, diabetes, neurodegeneration, and cardiovascular disorders. [...] 

Contents


Crohn's Disease

Radiological Features and Clinical-Surgical Correlations

G. Lo Re, Policlinico Paolo Giaccone, Palermo; M. Midiri, University of Palermo, Policlinico Paolo Giaccone, Palermo (Eds)

This book describes and illustrates the radiological findings that are characteristic of Crohn's disease and correlates these appearances with clinical and surgical findings in order to assist the reader in implementing an appropriate diagnostic approach in this complex disease, which often differs from patient to patient. [...] 

Contents


August 2017

VII, 179 p. 60 illus., 30 illus. in color. Hardcover. 155 x 235 mm
£ 100,50 | € 134,99
ISBN 978-3-319-53852-5

All Language Rights Available

August 2017

VIII, 358 p. 195 illus., 165 illus. in color. Hardcover. 178 x 254 mm
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ISBN 978-3-319-61399-4

All Language Rights Available

June 2017

X, 177 p. 45 illus., 26 illus. in color. Hardcover. 178 x 254 mm
£ 59,99 | € 79,99
ISBN 978-3-319-23065-8

All Language Rights Available
Vertebral Lesions
L. Manfrè, Mediterranean Institute of Oncology IOM, Catania (Ed)

This easy-to-consult guide describes new minimally invasive procedures for the treatment of vertebral lesions that are accompanied by fewer complications and side-effects, reduce the risks of anesthesia, and lower costs. [...] 

Contents

Series Title
New Procedures in Spinal Interventional Neuroradiology

Neuroimaging Diagnosis for Alzheimer’s Disease and Other Dementias
H. Matsuda, National Center of Neurology & Psychiatry, Kodaira, Japan; T. Asada, Institute of Clinical Medicine, Tsukuba, Japan; A. M. Tokumaru, Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology, Tokyo, Japan (Eds)

This book describes the latest modalities such as tau PET imaging for diagnosis of Alzheimer’s disease and other dementias, and also provides information on handling and analyzing imaging data that is not found in other books. In addition, it introduces routine imaging studies in the management of dementia in Japan. [...] 

Contents

Irreversible Electroporation in Clinical Practice
M. Meijerink, VU University Amsterdam, Amsterdam, The Netherlands; H. Scheffer, VU University Amsterdam, Amsterdam; G. Narayanan, Miami University Hospital & Clinics, Miami, FL (Eds)

This book provides a comprehensive overview of the clinical use of irreversible electroporation (IRE) – better known by its commercial name, NanoKnife – which is one of the most exciting new needle-guided cancer treatments. The coverage includes the history of IRE, general technique, preclinical research, applications in clinical practice and early clinical results, and future perspectives. [...] 

Contents
Radiation Therapy for Liver Tumors

Fundamentals and Clinical Practice

J. Meyer, University of Texas Southwestern Medical Center, Dallas, TX, USA; T. Schefter, University of Colorado Comprehensive Cancer Center, Aurora, CO, USA (Eds)

The management of liver tumors is a nexus of interactions among multiple medical specialties, including radiation oncology. A multitude of liver-directed therapies are available for patients, ranging from surgery and liver transplantation to intra-arterial therapies, thermal ablation procedures, systemic therapies, and radiation treatments. […]

Contents

Diagnostic Imaging in Polytrauma Patients

V. Miele, Careggi University Hospital, Florence; M. Trinci, S. Camillo Hospital Dept of Emergency Radiology, Rome (Eds)

This book provides comprehensive information on Diagnostic Imaging for polytrauma patients. It provides extensive and detailed explanations of the semiotics of traumatic injuries, the correlation with the trauma's mechanism of action, and the meaning and appearance of prognostic indicators. The book begins with a discussion of the management of polytrauma patients. […]

Contents

Clinical Radiology of the Head & Neck

U. Nayak, Apollo Hospitals, Hyderabad; R. Satya Prasad, Apollo Hospitals, Hyderabad; S. Sekhar, Apollo Hospitals, Hyderabad

This book is a quick reference guide to the radiology of head & neck tumors for busy clinicians. With the wide range of imaging modalities currently available and frequent upgrades in technology and image resolution, selecting the best modality for individual cases is not always easy. […]

Contents
Re-Irradiation: New Frontiers

C. Nieder, University of Tromso and Nordland Hospital, Bodo, Norway; J. Langendijk, University Medical Center Groningen, Groningen, The Netherlands (Eds)

This book, now in its second edition, provides a comprehensive overview of current re-irradiation strategies, with detailed discussion of re-irradiation methods, technical aspects, the role of combined therapy with anticancer drugs and hyperthermia, and normal tissue tolerance. In addition, disease specific chapters document recent clinical results and future research directions. [...]

Contents


Series Title
Medical Radiology

Cross-Sectional Atlas of the Human Head

With 0.1-mm pixel size color images

J. S. Park, Dongguk University School of Medicine Department of Anatomy, Gyeongju

This superb color atlas sets a new standard in neuroanatomy by presenting around 300 detailed thin-sectioned images of the human head, including the brain, with 0.1-mm intervals and a pixel size of 0.1 mm × 0.1 mm. A new reference system employed for this purpose is clearly explained, and structures are fully annotated in the horizontal, coronal, and sagittal planes. [...] 

Contents

Introduction.- Horizontal plane.- Coronal plane.- Sagittal plane.- Index.

Nuclear Endocrinology

D. Piciu, Institute of Oncology “Prof.Ion Chiricuţă, Cluj-Napoca, Romania

This well-illustrated book, now in a revised and updated second edition, is an up-to-date practical guide to the integration of nuclear medicine into the daily practice of endocrinologists, endocrine surgeons, oncologists, and other professionals involved in the diagnosis and treatment of endocrine disorders. [...] 

Contents

PET/CT in Hepatobiliary and Pancreatic Malignancies

N. Purandare, Tata Memorial Hospital, Mumbai; S. Shah, Tata Memorial Hospital, Mumbai (Eds)

This book is a pocket guide to the role of PET/CT in malignancies of the hepatobiliary system and pancreas. Imaging findings characteristic of malignancies are described and illustrated, and attention drawn to normal variants and artifacts. [...] 

Contents

Series Title
Clinicians’ Guides to Radionuclide Hybrid Imaging 

Tumors of the Sacrum

Diagnosis and Treatment of Benign and Malignant Tumors

P. Ruggieri, University of Padova, Padova; A. Angelini, University of Padova, Padova; D. Vanel, Istituto Ortopedico Rizzoli, Bologna; P. Picci, Istituto Ortopedico Rizzoli, Bologna (Eds)

This book provides an up-to-date overview on the epidemiology, clinical presentation, and imaging characteristics of sacral tumors, discusses the available treatment options, and reports the published outcomes. The diagnostic roles of conventional radiology, CT, and MRI are thoroughly described and imaging appearances are compared with the histologic features. [...] 

Contents

3D Printing in Medicine

A Practical Guide for Medical Professionals

F. J. Rybicki, The University of Ottawa Faculty of Medicine, Ottawa, ON, Canada; G. T. Grant, University of Louisville School of Dentistry, Louisville, KY, USA (Eds)

This book describes the fundamentals of three-dimensional (3D) printing, addresses the practical aspects of establishing a 3D printing service in a medical facility, and explains the enormous potential value of rendering images as 3D printed models capable of providing tactile feedback and tangible information on both anatomic and pathologic states. [...] 

Contents
Introduction.- 3D printing technologies.- Post-processing of DICOM images.- Establishing a 3D Service in your medical facility.- The 3D printing lab in a radiology practice.- Training and education of a 3D medical printing technologist.- Cranio-Maxillofacial 3D printing.- 3D printing in Neurosurgery and Neurointervention.- Cardiovascular 3D printing.- Musculoskeletal 3D printing.- Virtual Surgical applications.- Design and Fabrication of Customized Patient Devices. [...] 

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XII, 382 p. 91 illus., 44 illus. in color. Hardcover.
155 x 235 mm
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August 2017
X, 170 p. 80 illus. in color. With online files/update. Hardcover.
178 x 254 mm
£ 66.99 | € 89.99
ISBN 978-3-319-61922-4

All Language Rights Available
Currently an estimated 17 million nuclear medicine procedures are performed each year in the US and constantly evolving, as new radiopharmaceuticals and imaging techniques are introduced for better diagnosis and treatment of human diseases. [...] 

Contents

This book presents new information on radiobiology that more clearly refutes the linear no-threshold (LNT) assumption and supports radiation hormesis. Fresh light is cast on the mechanisms of radiation hormesis and the potential benefits of low-dose ionizing radiation in preventing and treating a wide variety of inflammatory and proliferative diseases. [...] 

Contents
Radiological Weapons.- The Harmful and Fraudulent Basis For the LNT Assumption.- Thresholds.- Plutonium Particle Toxicity Myth.- Wonderful Radon.- Benefits in Disease Prevention, Control and Cure.- Heuristic View on Quantum Biophoton Cellular Communication. [...] 

This book is devoted to sharing the knowledge and experience of expert radiation therapy (RT) for extranodal lymphomas. For that purpose, the authors provide clinical-pathological information, precise RT techniques, and treatment results, i.e., disease control and survival, of all extranodal lymphomas. [...] 

Contents
1 Primary Central Nervous System Lymphomas.- 2 Ocular Adnexal Lymphoma.- 3 Extranodal NK/T Cell lymphoma, Nasal Type.- 4 Thyroid Lymphoma.- 5 Pyothorax-associated lymphoma (PAL).- 6 Stomach.- 7 Intestinal lymphomas.- 8 Primary Testicular Lymphoma.- 9 Cutaneous Lymphomas
High Field Brain MRI
Use in Clinical Practice
T. Scarabino, “L. Bonomo” Hospital, Andria (BT); S. Pollice, “L. Bonomo” Hospital, Andria (BT); T. Popolizio, “IRCCS Casa Sollievo della Sofferenza”, San Giovanni Rotondo (FG) (Eds)

This richly illustrated book summarizes the state of the art in brain MRI with the 3-Tesla high-field scanner. The aim is to clarify the numerous advantages of using a 3-T high magnetic field MR scanner, especially in terms of sensitivity and specificity. The first section describes techniques for standard MR examination of the brain. [...]

Contents
Computed Tomography of the Lung
A Pattern Approach

Computed Tomography of the Lung: A Pattern Approach aims to enable the reader to recognize and understand the CT signs of lung diseases and diseases with pulmonary involvement as a sound basis for diagnosis. After an introductory chapter, basic anatomy and its relevance to the interpretation of CT appearances is discussed. [...] 

Contents
Introduction.- Basic Anatomy and CT of the Normal Lung.- How to Approach a CT of the Lung.- Increased Lung Attenuation.- Decreased Lung Attenuation.- Nodular Pattern.- Linear Pattern.- Case Study.

Series Title
Medical Radiology

Atlas of Multiparametric Prostate MRI
With PI-RADS Approach and Anatomic-MRI-Pathological Correlation
J. C. Vilanova, Clínica Girona Department of Magnetic Resonance, Girona; V. Catalá, Fundació Puigvert Dept. of Radiology, Barcelona; F. Algaba, Fundació Puigvert, Barcelona; O. Laucirica, Matilde Bertrán Calopa, Barcelona (Eds)

This atlas provides a comprehensive, state of the art review of the use of multiparametric MRI (mpMRI) for the imaging of prostate cancer, covering aspects from diagnosis and loco-regional staging through to the role of the technique after treatment and follow-up. [...] 

Contents

Series Title
Medical Radiology

Incidental Radiological Findings
S. Weckbach, University Hospital Heidelberg, Heidelberg (Ed)

This book covers incidental radiological findings (IFs) from different perspectives, provides interesting ethical background information, highlights the differences between IFs in clinical routine and during research studies, explains the management of IFs with reference to practices in different countries. [...] 

Contents
Part 1 Introduction.- Chapter 1 Incidental Findings: Definition of the Concept.- Chapter 2 Incidental Findings – Ethical Aspects.- Chapter 3 Medicolegal aspects and informed consent.- Part II IFs in population based imaging / research setting.- Chapter 4 Technical Prerequisites of Population-Based Imaging.- Part III Handling / Management of IFs in different countries / population based studies.- Chapter 5 SHIP.- Chapter 6 Management of Incidental Findings in the German National Cohort.- Chapter 7 UK Biobank.- Chapter 8 Management of incidental findings on neuroimaging in The Rotterdam Study. [...] 

Series Title
Medical Radiology
PET/CT in Head and Neck Cancer

W. L. Wong, Mount Vernon Hospital, Northwood (Ed)

This pocket book is an up-to-date guide to the diagnostic imaging of head and neck cancers. The focus is particularly on FDG PET/CT, with coverage of the basic principles, clinical indications, typical and atypical appearances, normal variations and artifacts, advantages, limitations, and pitfalls. [...] 

Contents
Clinical background of Head and Neck Tumours.- Pathology of Head and Neck Tumours.- Management of Head and Neck Tumours.- Radiological imaging in Head and Neck Tumours.- 18F FDG PET-CT: Normal variants, artifacts and pitfalls in head and neck tumours.- PET/CT in Head and Neck Tumours.

Series Title
Clinicians’ Guides to Radionuclide Hybrid Imaging

Diagnostic and Therapeutic Neuroradiology

A Case-Based Guide to Good Practice

J. Xavier, University of Porto, Porto, Portugal; C. Vasconcelos, University of Porto Abel Salazar Biomedical Sciences Inst., Porto, Portugal; C. Ramos, University of Porto Abel Salazar Biomedical Sciences Inst., Porto, Portugal (Eds)

This book presents a wide-ranging series of illustrative clinical cases that cover the main pathologies and areas of interest in diagnostic and therapeutic neuroradiology. The aim is to enable the reader to learn important lessons from real cases that exemplify the caseload and capabilities of a large, modern neuroradiology department. The cases are presented in a quiz format. [...] 

Contents

Chest Sonography

G. Mathis, Rankweil (Ed)

This book, widely regarded as the standard work in the field, presents the state of the art in chest sonography with the aid of a wealth of excellent illustrations. It provides the reader with concise, easy-to-assimilate information on all aspects of the use of the modality, including indications, investigative techniques, diagnostic decision making, and imaging artifacts and pitfalls. [...] 

Contents
Psoriatic Arthritis and Psoriasis
Pathology and Clinical Aspects
A. Adebajo, University of Sheffield, Sheffield; W. Boehncke, University of Geneva, Geneva; D. D. Gladman, Toronto Western Hospital, Toronto, ON, Canada; P. J. Mease, Seattle Rheumatology Associates, Seattle, WA (Eds)

Educational advancement in the field of psoriatic arthritis which this book will provide is consistent with GRAPPA's aims and objectives leading to a productive synergy. GRAPPA (Group for Research and Assessment of Psoriasis and Psoriatic Arthritis), is recognized world wide as the leading international society for the study and promotion of awareness of psoriatic arthritis. [...] 

Contents

Advanced Handbook of Systemic Lupus Erythematosus
L. Arnaud, Karolinska University Hospital Unit for Clinical Therapy Research, Stockholm, Sweden; R. F. van Vollenhoven, Academic Medical Center, Amsterdam

This book will provide an introduction to the epidemiology, etiology and pathogenesis of the condition while also exploring the classification, diagnosis, and current and emerging therapies for systemic lupus erythematosus. Systemic lupus erythematosus is an autoimmune disease in which the body's immune system mistakenly attacks healthy tissue. [...] 

Contents
Introduction.- Disease classification.- Disease manifestation.- Diagnosis.- Treatments.- Therapies in late-stage clinical development.- Specific issues.- Outcome, prognosis, and perspectives. 

Performing Arts Medicine in Clinical Practice
H. A. Bird, University College London, London, UK

For many general practitioners, physiotherapists, osteopaths and chiropractors, patients with a background in performing arts account for only a small proportion of their practice. This simple primer assists the reader in the management of these highly complex (and sometimes highly strung) elite athletes. This book is pitched at the Masters level. [...] 

Contents
**Comorbidity in Rheumatic Diseases**  
Y. El Miedany, Darent Valley Hospital, Department of Rheumatology, Meopham (Ed)

This book explores comorbidity in patients with rheumatic diseases and details both care and treatment options in standard clinical practice. Patients with rheumatic diseases are clinically complex, and the interplay of their disease activity with associated conditions may lead to increased morbidity and mortality. [...]  

**Contents**  

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**Antiphospholipid Syndrome**  
*Current Research Highlights and Clinical Insights*  
D. Erkan, Hospital for Special Surgery, Associate Professor of Medicine, Weill Cornell Medicine, New York, NY, USA; M. D. Lockshin, Hospital for Special Surgery, Professor of Medicine and Obstetrics-Gynecology, Weill Cornell Medicine, New York, NY, USA (Eds)

This new edition is a comprehensive and updated resource on antiphospholipid syndrome (APS), which is an autoimmune disorder. In APS, the body recognizes certain normal components of blood and/or cell membranes as foreign substances and produces antibodies (antiphospholipid antibodies) against them. [...]  

**Contents**  

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**Handbook of Juvenile Idiopathic Arthritis**  
A. Ravelli, University of Genova, Giannina Gaslini Institute, Genoa

This handbook is an in-depth and comprehensive guide for the treatment and management of patients with juvenile idiopathic arthritis. [...]  

**Contents**  
Introduction.- Disease classification.- Clinical manifestations.- Diagnosis.- Consequences and complications.- General treatment aspects.- Management of patients with juvenile idiopathic arthritis.- Specific issues.- Outcome, prognosis and future outlook.
Robotic Surgery for Abdominal Wall Hernia Repair
A Manual of Best Practices
R. Z. Abdalla, University of São Paulo, São Paulo, Brazil; T. N. Costa, University of São Paulo, São Paulo, Brazil (Eds)

This book is a surgical manual, intended to present and discuss the use of robotic surgery for abdominal wall hernia repair. It comprises the most important surgical approaches in the field, presenting step by step procedures in a clear and didactic way. [...] 

Contents
Chapter 1 Preparing Robotic Program and Surgeon Training Regimen for Hernia and Abdominal Wall.- Chapter 2 Robotic Setup.- Chapter 3 Robotic Repair of Upper Abdominal Hernias.- Chapter 4 Robotic Repair of Lower Abdomen Hernias.- Chapter 5 Robotic Ventral Hernia Repair from a Lateral Approach.- Chapter 6 Applicability on Robotic Parastomal Hernia Repair.- Chapter 7 Pelvic Defects.- Chapter 8 Post-operative Pain.- Chapter 9 Quality of Life Study of Patients Submitted to Anterior Abdominal Wall Laparoscopic Hernioplasty.- Chapter 10 Anatomical Dissection for Adhesions. [...] 

Reconstructing the War Injured Patient
G. S. Abu-Sittah, American University of Beirut Medical Center, Beirut, Lebanon; J. J. Hoballah, American University of Beirut Medical Center, Beirut, Lebanon; J. Bakhch, American University of Beirut Medical Centre-Faculty of Medicine, Beirut, Lebanon (Eds)

This text provides a comprehensive and state-of-the art approach to reconstruction of the war injured patient tailored to the types of injuries and patients mostly encountered from the Arab region over the past few years at the American University of Beirut Medical Center, one of the largest tertiary care and referral centers in the area and its affiliated hospitals. [...] 

Contents

Cleft Lip and Palate Treatment
A Comprehensive Guide
N. Alonso, University of São Paulo Medical School, São Paulo; C. E. R. Amaral, Campinas (Eds)

The aim of this book is to discuss cleft lip and palate deformities in a comprehensive way, presenting it from the basics to the most clinically and surgically relevant issues. First, the basic concepts of embryology and pathogenesis of the facial deformities will be discussed. Special attention will be paid to the genetics underlying this condition. [...] 

Contents

August 2017
VIII, 123 p. 62 illus., 56 illus. in color. Hardcover.
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Fundoplication Surgery
A Clinical Guide to Optimizing Results
R. W. Aye, Swedish Medical Center and Swedish Cancer Institute, Seattle, WA, USA; J. Hunter, Oregon Health Sciences University, Portland, OR, USA (Eds)

This book is intended for surgeons wanting to take their antireflux practice to an advanced level. It focuses on what experts do in real life, highlights pitfalls in skillful patient selection and fundoplication surgical technique, and addresses how to handle the "curve balls". [...] 

Contents

Surgery of the Inferior Vena Cava
A Multidisciplinary Approach
D. Azoulay, Hôpital Henri-Mondor, Créteil, France; C. Lim, Hôpital Henri-Mondor, Créteil, France; C. Salloum, Hôpital Henri-Mondor, Créteil, France (Eds)

This book addresses an urgent need, offering an updated, detailed and multidisciplinary review of surgery of the inferior vena cava (IVC). Over the past two decades, tremendous advances have been made in this field and related specialties. [...] 

Contents
Anatomy of the inferior vena cava, Jean-Marc Chevalier.- Imaging and radiological assessment of the inferior vena cava, Hicham Kobeiter, Alain Luciani.- Anesthetic and hemodynamic considerations of inferior vena cava clamping Daniel Eyraud.- Inferior vena cava resection and reconstruction in the surgical management of tumors involving the inferior vena cava, Laurent Chiche (Paris, France).- Primary leiomyosarcoma of the inferior vena cava, Gary N. Mann.- Retropertitoneal sarcoma involving inferior vena cava, Marco Fiore.- Renal cell carcinoma, Gaetano Ciancio. [...] 

June 2017
XII, 153 p. 67 illus., 56 illus. in color. Hardcover. 155 x 235 mm £ 59,99 | € 79,99 ISBN 978-3-319-25092-2

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XIII, 319 p. 45 illus., 40 illus. in color. Hardcover. 155 x 235 mm £ 126,50 | € 169,99 ISBN 978-3-319-55955-1

All Language Rights Available
Surgical Principles of Minimally Invasive Procedures

**Manual of the European Association of Endoscopic Surgery (EAES)**

**H. J. Bonjer**, VU University Medical Center Amsterdam, Amsterdam, The Netherlands (Ed)

The EAES Manual of Endoscopic Surgery provides surgeons and surgical residents with the best practical knowledge currently available on commonly performed minimally invasive abdominal and thoracic procedures. [...] 

**Contents**


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Complications of Temporomandibular Joint Surgery

**G. F. Bouloux**, Department of Surgery Emory University, School of Medicine, Atlanta, GA, USA (Ed)

This book provides detailed guidance on the recognition and treatment of the complications most frequently encountered in patients who undergo temporomandibular joint surgery. Evidence-based guidelines are referred to whenever possible, and when such guidelines are lacking, the preferred current approaches to diagnosis and management are described. [...] 

**Contents**

Failure to Make the Correct Diagnosis.- Failure to Choose the Correct Procedure.- Perforation of the EAM or Middle Cranial Fossa.- Facial Nerve Injury.- Freys Syndrome.- Chronic and Neuropathic Pain.- Massive Hemorrhage.- Ankylosis and Heterotopic Bone.- Infection Following TJR.- Degenerative Joint Disease. [...] 

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Ballistic Trauma

**A Practical Guide**

**J. Breeze**, Queen Elizabeth Hospital Birmingham, Edgbaston, Birmingham; **J. G. Penn-Barwell**, Royal Victoria Infirmary, Newcastle; **D. Keene**, Birmingham Research Park The ICT Centre, Edgbaston, Birmingham; **P. F. Mahoney**, Royal Centre for Defence Medicine Inst. Research & Development, Edgbaston, Birmingham, UK; **D. O’Reilly**, University Hospital of Wales, Cardiff; **J. Jeyanathan**, Birmingham Research Park The ICT Centre, Edgbaston, Birmingham, UK (Eds)

This revised fourth edition provides a concise guide to the clinical and operational issues surrounding the management of the ballistic casualty. This book utilises the knowledge and experience acquired by those dealing with ballistic trauma on a regular basis to help those who manage these patients less regularly. [...] 

**Contents**


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June 2017

XV, 292 p. 219 illus., 118 illus. in color. Softcover. 210 x 279 mm

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CT Scan in Abdominal Emergency Surgery
F. Catena, Ospedale Maggiore di Parma Emergency and Trauma Surgery, Parma; S. Di Saverio, Ospedale Maggiore, Trauma Center, Bologna; L. Ansaloni, Pope John 23 Hospital of Bergamo Surgery I, Bergamo; F. Coccolini, Pope John 23 Hospital of Bergamo General Surgery, Bergamo; M. Sartelli, Macerata Hospital Department of Surgery, Macerata (Eds)

This book focuses on the diagnostic impact of CT scans in severe abdominal trauma and in non-traumatic acute abdomen, the two clinical entities that constitute the main reasons for referrals for this imaging technique from the intensive care unit. [...] Contents
Preface.- 1 Liver Trauma.- 2 Pelvic Trauma.- 3 Spleen Trauma.- 4 Duodeno Pancreatic Trauma.- 5 GI Trauma.- 6 GU Trauma.- 7 Acute cholecystitis.- 8 Acute appendicitis and Meckel diverticula.- 9 Acute diverticulitis.- 10 Complicated peptic ulcer.- 11 Small bowel ischemia.- 12 Acute colon cancer.- 13 ASBO Colon volvulus.- 14 Acute pancreatitis.- 15 AAA and visceral aneurysm.- 16 Pelvic inflammatory disease.

Managing BRCA Mutation Carriers
A. B. Chagpar, Yale University School of Medicine Yale Comprehensive Cancer Center, New Haven, CT (Ed)

As there are a number of nuances in terms of how to manage mutation carriers (both with and without a concomitant diagnosis of breast cancer), this text provides a comprehensive, state-of-the art review of this field. It represents a valuable resource for a myriad of clinicians and healthcare personnel who interface with these patients. [...] Contents
Rectal Cancer
Modern Approaches to Treatment
G. J. Chang, U.T. M.D. Anderson Cancer Center Minimally Invasive and New Technologies, Houston, TX, USA (Ed)

Rectal Cancer: Modern Approaches to Treatment provides a useful overview of the multidisciplinary treatment of rectal cancer with a deeper dive into clinical challenges faced by treating physicians. [...]

Contents

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X, 498 p. 192 illus., 155 illus. in color. Hardcover.
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Open Abdomen
A Comprehensive Practical Manual
F. Coccolini, Pope John 23 Hospital of Bergamo, Bergamo; R. Ivatury, Virginia Commonwealth University, Richmond, VA, USA; M. Sugrue, Letterkenny General Hospital, Letterkenny; L. Ansaloni, Papa Giovanni XXIII Hospital, Bergamo (Eds)

This book is the first available practical manual on the open abdomen. The handy format will allow practicing physicians, surgeons, anesthesiologists, nurses, and physiotherapists to use it as a ready source of information on all aspects of management of the open abdomen in a wide variety of settings. [...]

Contents
Foreword.- Preface.- 1 Background historical notes.- 2 Basic research in open abdomen.- 3 Anatomy and physiology: the abdomen, the intra-abdominal pressure, hypertension, abdominal compartment syndrome, abdominal wall compliance, measuring systems.- 4 Pathophysiology of the open abdomen: benefits and problems. The metabolic cost and benefit.- 5 Indications for open abdomen.- 6 The open abdomen in trauma. [...]

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Extreme Hepatic Surgery and Other Strategies
Increasing Resectability in Colorectal Liver Metastases
E. de Santibañes, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina; V. Ardiles, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina; F. A. Alvarez, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina; V. C. Busnelli, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina (Eds)

This book describes the diagnoses; staging and management of patients with colorectal liver metastases initially considered unresectable and portrays the different strategies to increase resectability along with their tactics and tricks. [...]

Contents

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XIX, 383 p. 170 illus., 137 illus. in color. Hardcover.
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Malignancies of the Groin
Surgical and Anatomic Considerations
K. A. Delman, Emory University School of Medicine, Atlanta, GA; V. A. Master, Emory University School of Medicine, Atlanta, GA (Eds)

This volume provides the first comprehensive review of the surgical anatomy of the groin in over 30 years. The text also provides a detailed review of considerations for all disciplines involved with the management of neoplasms potentially involving the inguinal lymph node basin as well as describing, in detail, the complications which can occur if one’s understanding of these issues is limited. [...]

Contents
Historical Background.- Comparative Epidemiology.- Anatomic Considerations.- Complications.- Lymphedema.- Considerations for Melanoma.- Considerations for Non-Melanoma Skin Cancer including Perianal Squamous Cell.- Considerations for Vulvar Cancer.- Considerations for Peno-scrotal Cancer.- Considerations for Soft Tissue Tumors of the Groin.- Considerations for the Radiation Oncologist.- Surgical Technique for Open Inguinal Lymphadenectomy. [..]

Operative Techniques in Single Incision Laparoscopic Colorectal Surgery
D. P. Geisler, Colorectal Physicians & Surgeons of Penn Saint Vincent Health Center, Erie, PA, USA; D. Keller, Penn State Hershey Med Cntr Dept of Surg, Div of Colorectal Sur, Hershey, PA, USA; E. M. Haas, Colorectal Surgical Associates LLP LTD Department of Surgery, Houston, TX, USA (Eds)

The goal of this text is to expand one’s practice of minimally invasive colorectal surgery by implementation of various advanced reduced port and single techniques. The authors present a comprehensive operative technique text to teach and implement single incision and reduced port laparoscopic colorectal surgery best practices into clinical practice. [..]

Contents

Atlas of Endoscopic Major Pulmonary Resections
D. Gossot, Institut Mutualiste Montsouris, Paris, France

The first version of this atlas was released as video-assisted major pulmonary resections were just emerging as a valid alternative to conventional techniques. In this second edition, many different techniques have been described, depending on the use or non-use of an accessory mini-thoracotomy and on the use or non-use of endoscopic instrumentation and video display. [...]

Contents

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VI, 254 p. 39 illus. in color. Hardcover. 155 x 235 mm
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VIII, 182 p. 73 illus. in color. Hardcover. 210 x 279 mm
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The Diagnosis and Management of the Acute Abdomen in Pregnancy

P. Greenspan, University of Missouri-Kansas City School of Medicine, Kansas City, MO (Ed)

This text is intended to serve as a reference guide for clinicians who consult pregnant women presenting with abdominal and pelvic pain. Many health care providers care for pregnant women including attending physicians, resident physicians, advanced practice nurses, certified nurse, midwives, labor and delivery nurses, operating room and post-anesthesia care nurses, medical students and others. [...]

Contents


Coloproctology

A. Herold, End- und Dickdarm-Zentrum Mannheim, Mannheim; P. Lehur, Institut des maladies de l'appareil digestif, Hotel Dieu, Nantes, France; K. E. Matzel, Universitaet Erlangen, Erlangen; P. R. O'Connell, St Vincent’s University Hospital, Dublin, Ireland (Eds)

This book offers up-to-date coverage of the full range of topics in coloproctology: anatomy, physiology, anal disorders, dermatology, functional disorders, inflammatory bowel disease, endometriosis, appendicitis, benign and malignant tumors, presacral tumors, laparoscopy, endoscopy, perioperative management, intestinal failure, abdominal wall reconstruction, emergencies, and pain syndromes. [...]

Contents


Series Title

European Manual of Medicine

Textbook of Hernia

W. W. Hope, New Hanover Regional Medical Center, Wilmington, NC, USA; W. S. Cobb, Greenville Health System, Greenville, NC, USA; G. L. Adrales, The Johns Hopkins University School of Medicine, Baltimore, MD, USA (Eds)

This textbook provides a comprehensive, state-of-the-art review of the field of hernia surgery, and will serve as a valuable resource for clinicians, surgeons and researchers with an interest in both inguinal and ventral/incisional hernia. [...]

Contents


Series Title

European Manual of Medicine
Changing Paradigms in the Management of Breast Cancer

M. Howard-McNatt, Wake Forest School of Medicine Department of Surgery, Winston-Salem, NC (Ed)

This text is designed to present a comprehensive and state-of-the-art approach to the management of breast cancer within the fields of surgery, medical oncology, and radiation oncology. Sections address changes in these fields. [...] 

Contents

Clinical Trials Design in Operative and Non Operative Invasive Procedures

K. M.F. Itani, Boston VA Healthcare System Department of Surgery, West Roxbury, MA; D. J. Reda, Hines VA Hospital, Hines, IL, USA (Eds)

The aim of this text is to provide the framework for building a clinical trial as it pertains to operative and non operative invasive procedures, how to get it funded and how to conduct such a trial up to publication of results. The text provides all details of building a scientifically and ethically valid proposal, including how to build the infrastructure for a clinical trial and how to move it f [...] 

Contents
The Research Question and the Hypothesis.- Primary and Secondary Endpoints.- Intervention and Control Groups.- Subject Selection.- Clinical Phases of Device and Drug Evaluation with Emphasis on Early Phase Trials.- Overview of Randomized Clinical Trial and the Parallel Group Design.- Non-Inferiority and Equivalence Trials.- Factorial Designs.- Cross-over Trials.- Cluster-Randomized Clinical Trials.- Adaptive Trial Designs.- Pragmatic Trials.- Point of Care Clinical Trials.- Basic Statistical Considerations.- Methods and Testing of Randomization.- Sample Size Calculation. [...] 

Atlas of Laparoscopic and Robotic Single Site Surgery

J. H. Kaouk, Center for Robotic and Image guided Surgery, Glickman Urologic Institute, Cleveland, OH, USA; R. J. Stein, Glickman Urological and Kidney Institute Cleveland Clinic, Cleveland, OH, USA; G. Haber, Glickman Urological Institute Cleveland Clinic, Cleveland, OH, USA (Eds)

This text provides a broad and current review of this field and will serve as a valuable resource for trainees, academic and community surgeons, and members of industry with an interest in LESS. Due to the novelty and complexity of these procedures, the book focuses on detailed descriptions as well as pertinent illustrations for various upper and lower tract urologic procedures. [...] 

Contents
History and evolution of LESS.- Consent and IRB requirements.- Laboratory and experimental foundation for LESS.- Instruments for LESS.- Ports and instruments for LESS.- Multichannel vs Multiports access.- Home-made ports.- Curved vs articulating vs flexible instruments.- Needlescopic instruments.- Surgical Scopes. [...] 

Series Title
Current Clinical Urology
Ulcers of the Lower Extremity
A. K. Khanna, Banaras Hindu University, Institute of Medical Sciences, Varanasi; S. K. Tiwary, Banaras Hindu University, Institute of Medical Sciences, Varanasi (Eds)

This book focuses on the clinical evaluation and management of ulcers of the lower limbs. There are numerous causes for ulceration in the lower limbs and each variety requires careful clinical evaluation and management approach. [...]"

Contents

Congenital Vascular Malformations
A Comprehensive Review of Current Management
Y. Kim, Samsung Medical Center, Seoul, Korea, Republic of (South Korea); B. Lee, George Washington University, Bethesda, MD, USA; W. F. Yakes, Vascular Malformation Center, Englewood, CO, USA; Y. Do, Samsung Medical Center, Seoul, Korea, Republic of (South Korea) (Eds)

This book is a superbly illustrated guide to the diagnosis and treatment of congenital vascular malformations (CVMs) that will enable the reader to avoid the serious pitfalls that may arise when caring for patients with this rare and complex group of lesions. [...]"

Contents

Chest Wall Deformities and Corrective Procedures
S. Kolvekar, Consultant Cardiothoracic Surgeon, The Heart Hospital UCLH, London, UK; H. Pilegaard, Aarhus University Hospital, Associate. Professor, Department of Cardiothoracic and Vascular Surgery, Department of Clinical Medicine, Aarhus (Eds)

This book discusses predominantly pectus excavatum and pectus carinatum, its variation and the treatment modalities available, including minimally invasive surgery. This will help to increase awareness of the available treatment options to doctors and healthcare workers but will also help trainee cardiac and thoracic surgeons. It is also an essential reference book for those already practicing. [...]"

Contents
Introduction.- Epidemiology.- History.- Pectus excavatum (normal variation).- Pectus carinatum.- Traditional treatment.- Minimally invasive surgery for pectus excavatum.- Anesthetic requirements and pain control.- Effect of chest wall deformities on lung functions.- Effect of chest wall deformities on cardiac functions.- Investigations for chest wall deformities.- Other chest wall deformities and their occurrence. [...]
Gastrointestinal Operations and Technical Variations

M. Korenkov, University of Goettingen, Eschwege; C. Germer, Würzburg University Hospital, Würzburg; H. Lang, University Medical Centre of the Johannes Gutenberg University, Mainz (Eds)

In this book, leading experts provide step-by-step, illustrated descriptions of their standard surgical techniques (open and laparoscopic) for diverse gastrointestinal indications and their preferred modifications when confronted by challenging circumstances associated with an increased risk of intra- or postoperative complications. [...]

Contents

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Contemporary Oral Oncology

Oral and Maxillofacial Reconstructive Surgery

M. A. Kuriakose, Department of Head and Neck Plastic and Reconstructive Surgery, Roswell Park Cancer Institute, Buffalo, USA (Ed)

This is the third of four volumes that together offer an authoritative, in-depth reference guide covering all aspects of the management of oral cancer from a multidisciplinary perspective and on the basis of a strong scientific foundation. This volume is devoted to the reconstructive surgical techniques used in patients with oral cancer. [...]

Contents

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Contemporary Oral Oncology

Rehabilitation and Supportive Care

M. A. Kuriakose, Roswell Park Cancer Institute, Buffalo, USA (Ed)

This is the last of four volumes that together offer an authoritative, in-depth reference guide covering all aspects of the management of oral cancer from a multidisciplinary perspective and on the basis of a strong scientific foundation. This volume focuses on the topic of comprehensive rehabilitation and supportive care in oral cancer. [...]
Surgery of Complex Abdominal Wall Defects

Practical Approaches

R. Latifi, Westchester Medical Center and New York Medical College, Valhalla, NY, USA (Ed)

As with the first edition, the second edition of this book covers the surgical anatomy of the abdominal wall, pathology of abdominal wall defects, such as hernias, enterocutaneous or entero-atmospheric fistulae, and indications for and surgical techniques used to reconstruct the abdominal wall from the practical standpoint. [...] 

Contents


Endocrine Surgery in Children

D. Ledbetter, Seattle Children’s Hospital, SEATTLE, WA; P. Johnson, John Radcliffe Hospital, Oxford (Eds)

This book provides in-depth practical advice on how to manage children with endocrine conditions that may benefit from surgery. It is more detailed than general pediatric surgery texts and more surgically oriented than endocrinology texts. [...] 

Contents


Geriatric Trauma and Critical Care

F. A. Luchette, Stritch School of Medicine, Loyola University of Chicago, Edward Hines, Jr. Veterans Administration Medical Center, Maywood, IL, USA; J. A. Yelon, Hofstra School of Medicine, Medical Director for Surgical and Perioperative Services, Southside Hospital/Northwell Health, Bay Shore, NY, USA (Eds)

With the expertise of an author panel of leading clinicians in the field of surgery, trauma, critical care and geriatrics the new edition of this text addresses the explosion in knowledge on the impact aging has on injury, acute illness and critical care management. [...] 

Contents

Mass Casualty Incidents
M. Lynn, University of Miami, Miami, FL, USA

This manual is aimed to provide health care professionals, at the scene and at hospitals, as well as allied organizations, a practical and operational approach for planning the response to mass casualty incidents (MCI’s), with emphasis to the types of events that are sudden in nature, resulting in a number of injured or contaminated patients that overwhelm the local health care system. [...] 

Contents
General Information.- Pre-hospital Planning and Response to Sudden Mass Casualty Incidents.- Hospital Planning and Response to Sudden Mass Casualty Incidents.- Other Sudden Mass Casualty Incidents.- Challenges Related to Mass Casualty Incidents.

Management of Differentiated Thyroid Cancer
A. T. Mancino, Central Arkansas Veterans Healthcare System, University of Arkansas, Little Rock, AR, USA; L. T. Kim, University of North Carolina, Chapel Hill, NC, USA (Eds)

This text provides a comprehensive, state-of-the art review of this field, and serves as a valuable resource for clinicians, surgeons and researchers with an interest in thyroid cancer. [...] 

Contents
The Rising Incidence of Thyroid Cancer: Contributions from Healthcare Practice and Biologic Risk Factors.- Molecular Genetics of Thyroid Cancer.- Evaluation of a thyroid nodule.- Pathologic diagnosis of thyroid cancer.- Molecular Diagnostic Approaches and their Clinical Utility.- Clinical Presentation and Diagnosis of Papillary Thyroid Cancer.- Clinical Presentation and Diagnosis of Follicular Thyroid Cancer.- Clinical Presentation and Diagnosis of Hürthle cell Thyroid Cancer.- High Risk and Poorly Differentiated Thyroid Cancer.- Pediatric Thyroid Cancer. [...] 

Ductal Carcinoma in Situ of the Breast
C. Mariotti, Ospedali Riuniti Breast Surgical Department, Ancona (Ed)

This book provides up-to-date information on all aspects of ductal carcinoma in situ of the breast, including epidemiology, imaging, pathologic and biologic features, interventional diagnostics, nonpalpable lesion localization, and treatment. [...] 

Contents
Pediatric Robotic Surgery
Technical and management aspects
G. Mattioli, Istituto Giannina Gaslini, Genova; P. Petralia, Istituto Giannina Gaslini, Genova (Eds)

This book presents the state of the art across the entire field of pediatric robotic surgery, including thoracic, abdominal, oncologic, gynecologic, and urologic procedures. [...] 

Contents

Craniofacial Distraction
J. G. McCarthy, NYU Langone Medical Center, New York, NY, USA (Ed)

This book, edited by a leading pioneer of craniofacial distraction, summarizes the progress achieved in the field in a way that will serve the needs of the practicing clinician. [...] 

Contents

Color Atlas of Pediatric Anatomy, Laparoscopy, and Thoracoscopy
M. McHoney, Royal Hospital for Sick Children Edinburgh, Edinburgh, UK; E. M. Kiely, Great Ormond Street Hospital for Children, London, UK; I. Mushtaq, Great Ormond Street Hospital for Children, London, UK (Eds)

Both the number of pediatric surgeons using minimally invasive surgery (MIS) and the number of operations involving MIS are increasing. This atlas of anatomy and operative techniques provides a thorough outline of the procedures commonly used in laparoscopic and thoracoscopic pediatric surgery. [...] 

Contents
Minimally Invasive Oral and Maxillofacial Surgery
O. Nahlieli, The Barzilai Medical Center, Ashkelon, Israel (Ed)

Minimally invasive techniques, designed to reduce morbidity and risk while simultaneously improving outcomes, are increasingly being used in oral and maxillofacial surgery. This book covers the most recent technological developments and the advanced techniques used when performing such minimally invasive surgery in patients with common and rare oral and maxillofacial pathologies. [..]

Contents

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ISBN 978-3-662-54590-4

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Techniques in Minimally Invasive Rectal Surgery
A. Pigazzi, University of California, Irvine, Orange, CA, USA (Ed)

This title encompass all current minimally invasive rectal procedures for a variety of benign and malignant indications and provides a compendium of the available data supporting each technique. Procedures are represented both photographically as well as through selected video clips. [..]

Contents

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IX, 231 p. 102 illus., 94 illus. in color. Softcover.
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Laparoscopic Surgery
Key Points, Operating Room Setup and Equipment
G. Pignata, San Camillo Hospital, Trento; U. Bracale, University "Federico II" of Naples, Naples; F. Lazzara, Villa Igea Clinic, Acqui Terme Department of General Surgery, Acqui Terme (Eds)

This book is distinctive in that it is a truly practical guide to use of the laparoscopic approach for the treatment of many abdominal diseases. Rather than simply offering a general description of surgical laparoscopic techniques, it provides the knowledge required in order to introduce basic laparoscopic procedures into daily practice or to commence advanced laparoscopic surgery. [..]

Contents

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VII, 97 p. 48 illus. Softcover.
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ISBN 978-3-319-24425-9

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Per Oral Endoscopic Myotomy (POEM)

K. M. Reavis, The Oregon Clinic, Portland, OR, USA (Ed)

This text is designed to present a comprehensive and state-of-the-art approach to the current and future status of POEM. Sections address preliminary issues faced by surgeons and gastroenterologists who are interested in implementing this procedure into their treatment armamentarium.

Contents


The SAGES Manual Transitioning to Practice

D. B. Renton, The Ohio State University, Columbus, OH, USA; P. Nau, University of Iowa Hospitals and Clinics, Iowa City, IA, USA; D. W. Gee, Massachusetts General Hospital, Boston, MA, USA (Eds)

This SAGES manual will help educate and advise our new and recent surgical graduates on entering the job market. From how to find a job, to contract negotiations, to research and grant proposals, this manual offers pertinent strategies crucial to both surgical and non-surgical subspecialty fields.

Contents


Optimizing Outcomes for Liver and Pancreas Surgery

F. G. Rocha, Virginia Mason Medical Center, Seattle, WA, USA; P. Shen, Wake Forest Baptist Health, Windston-Salem, NC, USA (Eds)

This book is designed to present a practical and evidence-based approach to liver and pancreas surgery that will provide both experienced and novice surgeons as well as surgical trainees a resource for optimizing their outcomes. The entire perioperative spectrum of care is addressed in chapters written by an international panel of experts in the field.

Contents

Geriatric Trauma and Acute Care Surgery
A. Rodriguez, Former Director of trauma, Pittsburgh, PA; R. Barraco, Lehigh Valley Health Network Suite 202, Allentown, PA; R. R. Ivatury, Virginia Commonwealth University, RICHMOND, VA, USA (Eds)

The purpose of this book is to give providers of all levels a simple and essential source of practical information in treating the elderly trauma and emergency surgery patient. The Introduction instructs practitioners how to evaluate and assess risk including frailty and use this information in Goals of Care discussions to facilitate shared decision making so crucial to this population. […]

Contents

Abdominal Sepsis
A Multidisciplinary Approach
M. Sartelli, Macerata Hospital, Macerata; M. Bassetti, Infectious Diseases Division, Udine; I. Martin-Loeches, Trinity Centre for Health Sciences, Dublin (Eds)

This book examines in detail the topic of sepsis, with a focus on intra-abdominal sepsis. Particular attention is devoted to source control in the management of the infection, antimicrobial therapy and sepsis support, which represent the cornerstones of treating patients with this problem. […]

Contents
1 Classifications and principles of treatment.- 2 Peritonitis and intra-peritoneal inflammatory mediators.- 3 Imaging diagnosis.- 4 High risk patients and prognostic factors.- 5 Acute appendicitis.- 6 Acute cholecystitis.- 7 Acute cholangitis.- 8 Pyogenic liver abscess.- 9 Gastrodudodenal perforations.- 10 Small bowel perforations.- 11 Acute colonic diverticulitis.- 12 Post-operative peritonitis.- 13 Damage control surgery in managing abdominal sepsis.- 14 Ongoing peritonitis.- 15 Clostridium difficile infection. […]

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Practice and Principles in Therapeutic Colonoscopy
D. K. Sohn, National Cancer Center, Goyang-si, Gyeonggi-do, Korea, Republic of (South Korea) (Ed)

This book presents state of the art knowledge and guidance on the use of therapeutic colonoscopy for all of the usual indications, including hemostasis for colorectal bleeding, resection of benign and malignant lesions, and decompression and recanalization of obstructed bowel. […]

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Series Title
Hot Topics in Acute Care Surgery and Trauma
Emergency Vascular Surgery
A Practical Guide
E. Wahlberg, Karolinska Hospital Dept. Vascular Surgery, Stockholm, Sweden; J. Goldstone, Case Western Reserve University, CLEVELAND, OH, USA

This book provides clear, concise guidance on the surgical management of all kinds of emergent vascular problems and focuses in particular on open surgical strategies. The aim is to provide a combined text and hands-on guide that will permit rapid retrieval of information when treating vascular surgical patients in the emergency room. [...] 

Contents

Atlas of Minimally Invasive Surgery for Lung and Esophageal Cancer
J. Wang, Peking University People's Hospital, Beijing, China; M. K. Ferguson, University of Chicago Medicine, Chicago, IL, USA (Eds)

This Atlas presents a state-of-the-art review of VATS and robotic approaches to managing lung and esophageal cancers. It discusses cancer staging, physiological evaluation of patients, and patient selection for minimally invasive surgery. [...] 

Contents

Raising of Microvascular Flaps
A Systematic Approach
K. Wolff, Dept. of Oral and Maxillofacial Surgery Klinikum rechts der Isar, TU Munich, München; F. Hölzle, University Hospital of RWTH Aachen Oral and Maxillofacial Surgery, Aachen

This book provides all who are involved in microsurgical tissue transfer, including plastic surgeons, ENT surgeons, trauma surgeons, and oral and maxillofacial surgeons, with all the knowledge they will need in daily practice. [...] 

Contents
Urodynamic Testing After Spinal Cord Injury
A Practical Guide

J. J. Wyndaele, University of Antwerp, Antwerp; A. Kovindha, Chiang Mai University, Chiang Mai

This book aims to provide a guide for urodynamic investigation in individuals who have suffered spinal cord injuries. It is universally acknowledged that this type of investigation is valuable and most international guidelines consider it mandatory in patients with neurogenic bladder dysfunction. [...] Contents

1. Introduction.
2. Physiology and pathophysiology.
3. Indications and positioning in general diagnosis.
4. Tests application.
5. Rules for interpretation.

Innovation of Diagnosis and Treatment for Pancreatic Cancer

H. Yamaue, Wakyama Medical University, Wakayama, Japan (Ed)

This collection of chapters describes in detail the latest insights into the evaluation of resectability and neoadjuvant therapy to pancreatecoduodenectomy and distal pancreatectomy for pancreatic cancer. [...] Contents

1. Early diagnosis of pancreatic cancer using endoscopic ultrasound
2. Evaluation of resectability for pancreatic cancer using endoscopic ultrasound
3. Evaluation of resectability of pancreatic cancer by multidetector row Computed Tomography (MDCT)
4. Evaluation of Effect of Neoadjuvant Therapy using Positron Emission Tomography
5. Liquid biopsy for early detection of pancreatic cancer
6. Pancreatecoduodenectomy - standard resection and extended resection
7. Pylorus-Resecting Pancreatecoduodenectomy
8. Pancreatecoduodenectomy with Portal Vein Resection
9. Pancreatecoduodenectomy with Concomitant.

Complicated War Trauma and Care of the Wounded

The Israeli Experience in Medical Care and Humanitarian Support of Syrian Refugees

S. Zarka, General Director, Ziv Medical Center, Safed, Israel; A. Lerner, Ziv Medical Center, Safed, Israel (Eds)

This book presents carefully selected case reports that document some of the most important lessons learned at Ziv Medical Center, the northernmost Israeli hospital responsible for the medical care and support of wounded and patients from the Syrian civil war. [...] Contents

1. Foreword, Dr. Zarka
2. Ethics Aspects
3. Mental trauma in the war refugees
4. Treatment and support patients with mental war trauma
5. Abdominal injury
6. The case of Hala
7. Damage Control
8. Pelvic Injury
9. Vascular Trauma
10. Chest trauma
11. Multidisciplinary care of 13-years-old patient
12. Anesthesia for trauma wounded
13. High velocity bullets uro-genital combat injuries: lessons from the Syrian war
14. Neglected fracture of femoral head with hip dislocation
15. Complex lower limb deformity in pediatric patient after blast injury with extensive tissue damage and loss. A case report.
Adult Congenital Heart Disease
Focusing on Intervention
M. Masuda, Yokohama City Univ. Grad. School of Med., Yokohama, Japan; K. Niwa, St Luke’s International Hospital, Tokyo (Eds)

This book describes the most popular topics concerning adult congenital heart disease (ACHD), especially focusing on indications and re-intervention procedures for some major ACHDs. Thanks to advances in medical and surgical therapy for congenital heart disease over the last half century, many patients who underwent surgical correction reached adulthood. [...]

Contents

Percutaneous Interventions for Structural Heart Disease
An Illustrated Guide
B. Reimers, Mirano Hospital, Mirano; I. Moussa, First Coast Cardiovascular Institute, Jacksonville, FL, USA; A. Pacchioni, Mirano Hospital, Mirano (Eds)

This book presents the percutaneous techniques and technologies most frequently employed in structural interventional cardiology, focusing especially on how to optimize outcomes and minimize risk. [...]

Contents
Part I: Aortic Valve Intervention.- Severe Aortic Stenosis Treatment: Percutaneous Options, Patient Selection & Preoperative Evaluation.- How to Size Aortic Bioprosthesis.- Techniques & Devices.- Aortic Perivalvular Leakage: Percutaneous Treatment Options.- Difficult Cases and Complications from the Catheterization Laboratory: Case 1.- Difficult Cases and Complications from the Catheterization Laboratory: Case 2.- Difficult Cases and Complications from the Catheterization Laboratory: Case 3 “The Importance of Being Prepared”. [...]

Transcatheter Paravalvular Leak Closure
G. Smolka, Medical University of Silesia, Katowice, Poland; W. Wojakowski, Medical University of Silesia, Katowice, Poland; M. Tendera, Medical University of Silesia, Katowice, Poland (Eds)

Representing the first book to offer complete coverage of all related topics, this title provides up-to-date guidance on exactly why, when, and how to perform transcatheter paravalvular leak closure. [...]

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Urolithiasis in Clinical Practice
S. A. Al-Mamari, The Royal Hospital, Muscat, Oman

This book serves as a concise guide to urinary stone disease, providing simplified and complete information about the topic area. Various surgical techniques are provided and accompanied by first-hand accounts, to give insight into the operating room. The book is a quick reference guide and is relevant to both trainees and professionals. [...] 

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Series Title
In Clinical Practice

The Use of Robotic Technology in Female Pelvic Floor Reconstruction
J. Anger, Cedars-Sinai Medical Center, Beverly Hills, CA; K. Eilber, Cedars-Sinai Medical Center, Beverly Hills, CA (Eds)

This text is designed to present a comprehensive and state-of-the-art approach to robotic female pelvic reconstructive surgery. Written by experts in both urology and urogynecology, each of these sections address patient selection, pre-operative considerations, surgical technique, and management of intra and post-operative complications. [...] 

Contents

Managing Metastatic Prostate Cancer In Your Urological Oncology Practice
K. Balaji, Wake Forest University School of Medicine, Winston Salem, NC, USA (Ed)

This text provides a comprehensive review of pathophysiology, molecular and cell biology aspects of CRPC, discusses all major clinical trials that have led to approval of 6 new drugs since 2004, explores the role of bone preservation strategies, in depth analysis of combination and sequencing strategies, outlines upcoming novel drugs and trends in research, and stresses the role [...] 

Contents
Introduction.- Pathophysiology of Castration-Resistant Prostate Cancer.- Androgen Receptor Signaling in Castration Resistant Prostate Cancer.- Non-Androgen Signaling Pathways in Castration-Resistant Prostate Cancer.- Predictive Models in Castration Resistant Prostate Cancer.- Docetaxel in Advanced and Castration Resistant Prostate Cancer.- Combination Treatment Strategies with Docetaxel in Patients with Metastatic Prostate.- Cancer Vaccines in Castration Resistant Prostate Cancer – An evolution in design. [...]
Consultation in Neuourology
A Practical Evidence-Based Guide

J. Corcos, Jewish General Hospital, McGill Uni Dept of Urology, Montreal, QC, Canada;
M. Przydacz, McGill University Department of Urology, Montréal, QC, Canada

This book is aimed to bring the reader into the heart of the action of any health professional consulted for a patient with a neurogenic bladder (NB). Extensive textbooks of the NB exist but there is a lack of an actual practical guide for diagnosis and management of patients suffering from NB. This book provides a single source of information on consultation in neurourology. [...] 

Contents

Book Presentation with Overview of Bladder Physiology.- Neurogenic Bladder Pathophysiology.- Pathologies Responsible for the Development of the Neurogenic Bladder.- Medical History and Physical Examination.- Testing.- Bladder Management and Follow-up Plan.- Incontinence Due to Neurogenic Detrusor Overactivity.- Retention.- Incontinence Due to Neurogenic Sphincter Deficiency.- Urinary Tract Infection.- Urolithiasis.- Hydronephrosis.- Renal Failure.- Autonomic Dysreflexia.- Other (Bladder Cancer, Sexual Dysfunction).- Benign Prostate Hyperplasia and Neurogenic Bladder.- Patient Education. [...] 

Urinary Diversion

S. Daneshmand, University of Southern California, Los Angeles, CA, USA (Ed)

This book offers a detailed description of various forms of urinary diversions, including the ileal conduit, orthotopic neobladder, and a variety of continence diversions with specific focus on the techniques of reconstruction, appropriate patient selection, and management of common complications. [...] 

Contents


Urothelial Malignancies of the Upper Urinary Tract
A Textbook of Step by Step Management

M. Eshghi, Westchester Med. Center New York Medical College, Hawthorne, NY, USA (Ed)

This book addresses all aspects of upper urinary tract urothelial tumors. It represents the first dedicated text to address solely the symptomatology, diagnostic tools, staging, radical and conservative treatment of these tumors. [...] 

Contents

This book on urologic ultrasound has proven to be beneficial to urologists in training and currently in practice, and is structured by organ system for the practice of urology in the outpatient/office setting.

Contents

- History of Ultrasound in Urology
- Physical Principles of Ultrasound
- Bioeffects and Safety
- Maximizing Image Quality: User-Dependent Variables
- Renal Ultrasound
- Scrotal Ultrasound
- Penile Ultrasound
- Transabdominal Pelvic Ultrasound
- Pelvic Floor Ultrasound
- Prostate Ultrasound
- Prostate Biopsy
- Pediatric Urologic Ultrasound
- Ultrasound During Pregnancy
- Intraoperative Urologic Ultrasound
- Male Reproductive Ultrasound
- Ultrasound Protocols
- Standards for Urologic Practices Performing Ultrasound

Series Title
Current Clinical Urology

This text provides a comprehensive, state of the art review of this field and will serve as a resource for urologists, colorectal surgeons, geriatricians, and gynecologists as well as researchers interested in neuromuscular phenomena in the pelvis.

Contents

- Anatomy, Neuroanatomy and Biomechanics of the Pelvis
- Pelvic Floor Physiology: From Posterior Compartment to Perineal Body to Anterior Compartment
- Cellular and Molecular Aging: Principles of Geriatric Surgery
- Nutritional Considerations in Pelvic Medicine & Surgery
- Microbiology of Virulence: Urinary Tract Infection versus Colonization
- Chronic Catheter Associated Complications and Catheter-Associated Urinary Tract Infection

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- 5 Nutritional Considerations in Interstitial Cystitis
- 6 Microbiology of Virulence
- 7 Chronic Catheter Associated Complications
- 8 Pathology of Interstitial Cystitis

The book looks closely at the state of knowledge on interstitial cystitis in the late 1980s, and examined what the editors had right and what they had wrong, how the field has progressed in the last 30 years, and how best to move it forward in the future.

Contents

- Section 1 Introduction
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- 4 Epidemiology of Interstitial Cystitis
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- 6 Etiologic and Pathogenic Theories in Interstitial Cystitis
- 7 Light Microscopic Findings in Bladders of Patients with Interstitial Cystitis
- 8 Pathology of Interstitial Cystitis
Testicular Autoimmunity
A Cause of Male Infertility
M. Itoh, Tokyo Medical University, Shinjyuku-ku, Japan

This book addresses various aspects of testicular autoimmunity. It has long been suspected that testicular autoimmunity could be one of the causes of idiopathic male infertility. [...]

Contents
Chapter 1 Biological background of testicular autoimmunity.- Chapter 2 Microcircumstance for induction and prevention of testicular autoimmunity.- Chapter 3 Human testicular autoimmunity as a result of breakdown of testicular immune privilege. [...]
Nutrition Therapy for Urolithiasis
P. Lowry, Texas A&M HSC College of Medicine Scott & White Healthcare, Temple, TX, USA; K. L. Penniston, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA (Eds)

Nutrition Therapy for Urolithiasis provides evidence based recommendations, established by a comprehensive, state of the art review of the available literature to help clinicians with nutritional counseling for dietary stone prevention. […]

Contents

Urological and Gynaecological Chronic Pelvic Pain
Current Therapies
R. M. Moldwin. Hofstra Northwell School of Medicine, Northwell Health, Lake Success, NY, USA (Ed)

This text is designed for those clinicians who feel comfortable diagnosing these illnesses and wish to enhance their knowledge base and skill set regarding treatment options. […]

Contents

Clinical Application of Urologic Catheters, Devices and Products
D. K. Newman, University of Pennsylvania Medical Center, Philadelphia, PA, USA; E. Rovner, Medical College of South Carolina, Charleston, SC, USA; A. J. Wein, University of Pennsylvania Health System, Philadelphia, PA, USA

Designed to provide a comprehensive and state-of-the-art overview of the use of urologic catheters and devices in clinical practice. Sections of the book have been structured to review the overall indication for the use of urologic catheters and devices, types available, complications and management. This text fills a critical need for resource materials on these topics. […]

Contents
Urologic Catheters.- GU Stents & Nephrostomy tubes.- Urostomy Pouches.- Incontinence Absorbent Products.- Devices.- Skin Care Considerations.
The History of Technologic Advancements in Urology

S. R. Patel, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA; M. E. Moran, William P. Didusch Center for Urologic History, Linthicum, MD, USA; S. Y. Nakada, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA (Eds)

This text explores the history and development of the many technologies that have led to how we treat contemporary urologic problems. From the development of the cystoscope, the advances in laparoscopy, the birth of the field of endourology, to the era of robotics today, urologists have pushed the envelope in technologic innovation. [...] 

Contents

Managing Segmental Renal Diseases

S. Rocca Rossetti, University of Turin Urology Department, Turin

This volume focuses on those rare congenital or acquired kidney pathologies that are localized in only one part of the organ, while the rest of the organ remains unaffected. It helps readers identify the segmentary stage of the disease and discusses in-depth possible conservative surgical approaches: partial nephrectomy, calicectomy and lobectomy. [...] 

Contents
Foreword.- Definitions of segment or zone, segmentary renal diseases, segmentary renal surgery.- Renal organization.- Surgical anatomy of segmentectomy, or calicectomy or lobectomy.- Potentially segmentary renal diseases (calculus, tuberculosis, congenital or not cystic diseases, special inflammations, pyramid congenital pathologies).- Reconstructive intrarenal surgery.- Calcioplasty.- Other Intrarenal Procedures.- Laparoscopic and Robotic surgery. 

Urinary Dysfunction in Prostate Cancer

A Management Guide

J. S. Sandhu, Memorial Sloan Kettering Cancer Center Department of Surgery, Urology Service, New York, NY (Ed)

This volume provides a comprehensive, state-of-the-art review of this topic. It reviews natural history, etiology, management, and prevention of urinary dysfunction. The text covers the multiple new treatments for prostate cancer that have been introduced as well as reviewing the etiology, risk factors, and possible prevention of urinary dysfunction in men with prostate cancer. [...] 

Contents
Urinary Function after Radical Prostatectomy.- Urinary Function after Prostate Radiotherapy. Anastomotic Stricture.- Urinary Incontinence.- Non-Obstructive Lower Urinary Tract Symptoms.- Rectourethral Fistula.- Lower Urinary Tract Symptoms including Urinary Retention.- Urinary Incontinence.- Dysuria and Intractable Hematuria.- Adverse Events After Prostate Whole Gland Ablation (Cryosurgery and High Intensity Focus Ultrasound).- Voiding Dysfunction in Men on Active Surveillance for Prostate Cancer.- Voiding Dysfunction after Prostate Focal Therapy. [...]
Practical Pelvic Floor Ultrasonography
A Multicompartmental Approach to 2D/3D/4D Ultrasonography of the Pelvic Floor
S. A. Shobeiri, Virginia Commonwealth University, Falls Church, VA, USA (Ed)

This new edition provides the most up to date, state-of-the-art review of current literature which provides an introduction to pelvic floor imaging, as well as a resource to be used during initial and more advanced practice. The book features new chapters on Vaginal mesh imaging, ultrasound of implanted material, pelvic floor trauma, and ultrasound in pelvic floor therapy. [...] Contents
Pelvic Floor Anatomy.- 2D/3D Endovaginal and Endoanal Instrumentation and Techniques.- Instrumentation and Techniques for Perineal and Introtital Pelvic Floor Ultrasound.- Perineal Pelvic Floor Ultrasound: Applications and Literature Review.- 3D Endovaginal Ultrasound Imaging of the Levator Ani Muscles.- 3D Endovaginal Ultrasound Imaging of Pelvic Floor Trauma.- Endovaginal Urethra and Bladder Imaging.- 2D/3D Transperineal and 3D Endovaginal Imaging of the Posterior Compartment. [...]
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