

The 4th quarter 2013 catalog

Medicine



Dentistry

K. Röttscher (Ed.)

Forensic and Legal Dentistry

This book both explains in detail diverse aspects of the law as it relates to dentistry and examines key issues in forensic odontostomatology. A central aim is to enable the dentist to achieve a realistic assessment of the legal situation and to reduce uncertainties and liability risk. To this end, experts from across the world discuss the dental law in their own countries, covering both civil and criminal law and highlighting key aspects such as patient rights, insurance, and compensation. In the section on forensic odontostomatology, extensive guidance is provided on development of the dentition, clinical findings and documentation, personal identification, age estimation, and the[...]

Features

There is an increasing need for legal knowledge in the relationship between dentist and patient, as more and more often the dentist and the patient are meeting again in court. It is therefore advisable for the dentist to be familiar with the basics of law as it relates to dentistry, and especially the law of tort (including negligence and breach of duty of care). In addition, of course, dentists may be [...]

Contents

History: History of Forensic and Legal Dentistry.- History of Legal Odontology in Argentina.- History of Legal Odontology and DVI in Australia.- The Role of Dentists in Indonesian Disaster Victim Identification Operations.- Legal Dentistry: Liability in Dentistry - Belgium.- General Swiss Legal Bases.- Dental Law in France.- Dental Jurisprudence in Norway and Other Nordic Countries.- Dental Law in Finland.- Forensic Odontology in the United Kingdom.- Legal Aspects Related to Health Care Insurance, Dental Practitioners and Forensic Odontologists in South Africa.- Legal Odontology in[...]

Fields of interest

Dentistry; Forensic Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-319-01329-9

Hardcover

2014. XI, 380 p. 195 illus., 73 illus. in color.

ISBN 978-3-319-01329-9

Due: September 30, 2013

T. Eliades, University of Zurich, Zurich, Switzerland; G. Eliades, University of Athens, Athens, Greece (Eds.)

Plastics in Dentistry and Estrogenicity

A Guide to Safe Practice

This book provides a timely and comprehensive review of our current knowledge of BPA release from dental polymers and the potential endocrinological consequences. After a review of the history and evolution of the issue within the broader biomedical context, the estrogenicity of BPA is explained. The basic chemistry of the polymers used in dentistry is then presented in a simplified and clinically relevant manner. Key chapters in the book carefully evaluate the release of BPA from polycarbonate products and composite resins and the estrogenicity of these materials. Currently available evidence on the potential estrogenic action of dental composites, sealants, and adhesives is[...]

Features

The polycarbonate products, adhesives, and composite resins used in dentistry may have the potential to release bisphenol-A (BPA). BPA is known to exert effects at very low doses and presents a risk to reproductive, neurological, behavioural, and metabolic development, however, the actual effects induced by dental materials have not been sufficiently covered and critically analyzed. Nevertheless, many [...]

Contents

Endocrine Disruptors -Xenoestrogens: An Overview.- Analytical methods for the determination of BPA in liquid samples.- In vitro assay systems for the assessment of estrogenicity. - BPA effects in vivo: Evidence from animal studies. - BPA and monomer systems in resins. - BPA and dental materials. - BPA and orthodontic polymers.

Fields of interest

Dentistry

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-29686-4

Hardcover

2014. X, 141 p. 28 illus., 12 illus. in color.

ISBN 978-3-642-29686-4

Due: November 30, 2013

Medicine

J. Sadek, Dalhousie University, Halifax, Canada

A Clinician's Guide to ADHD

The Clinician's Guide to ADHD combines the useful diagnostic and treatment approaches advocated in different guidelines with insights from other sources, including recent literature reviews and web resources. The aim is to provide clinicians with clear, concise, and reliable advice on how to approach this complex disorder. The guidelines referred to in compiling the book derive from authoritative sources in different regions of the world, including the United States, Canada, Australia, and Europe. After introductory discussion of epidemiology and etiology, guidance is provided on diagnosis in different age groups, differential diagnosis, assessment for potential comorbidities, and the[...]

Features

The Clinician's Guide to ADHD combines the useful diagnostic and treatment approaches advocated in different guidelines with insights from other sources, including recent literature reviews and web resources. The aim is to provide clinicians with clear, concise, and reliable advice on how to approach this complex disorder. The guidelines referred to in compiling the book derive from authoritative [...]

Contents

Introduction.- History of Attention Deficit Hyperactivity Disorder.- Epidemiology and Etiology of ADHD.- Impairment in Patients with ADHD.- How to Diagnose ADHD in Children and Adolescents.- How to Diagnose ADHD in Adults.- Differential Diagnosis.- ADHD Comorbidities.- ADHD and Driving.- Pharmacological Management of ADHD.- Management of Adverse Events.- Psychosocial Treatment of ADHD.- Follow-up of Patient with ADHD.- List of scales: children.- List of scales: Adults.- Snap Scale: Children.- Weiss functional impairment scale.- Weiss parent reporting.- Weiss self report.- Adult ADHD[...]

Fields of interest

Psychiatry; Psychopharmacology; Clinical Psychology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-319-02358-8

Softcover

2014. X, 118 p. 7 illus., 2 illus. in color.

ISBN 978-3-319-02358-8

Due: November 30, 2013

J.L. Dornhoffer, University of Arkansas for Little Rock, USA; R. Leuwer, HELIOS Hospital Krefeld, Krefeld, Germany; K. Schwager, Klinikum Fulda, Fulda, Germany; S. Wenzel, Assist. Prof. Otorhinolaryngol., Head & Pinneberg, Germany

A Practical Guide to the Eustachian Tube

This book, written by international experts, is a detailed guide to the Eustachian tube, with emphasis on those aspects of most relevance to the practitioner. The opening chapters document the clinical anatomy and provide essential information on physiology, with explanation of the new model of tubal mechanics. Diagnosis and therapy for the patulous Eustachian tube are then discussed, placing special emphasis on a novel conservative treatment regimen that has proven to be a breakthrough for patients with this clinical syndrome. A further extensive chapter examines overall function of the Eustachian tube, primarily from the middle ear surgeon's viewpoint. Tuboplasty procedures, [...]

Features

This book, written by international experts, is a detailed guide to the Eustachian tube, with emphasis on those aspects of most relevance to the practitioner. The opening chapters document the clinical anatomy and provide essential information on physiology, with explanation of the new model of tubal mechanics and the use of Eustachian tube function tests. Diagnosis and therapy for the patulous Eustachian [...]

Contents

Clinical anatomy of the Eustachian tube: Lumen and cartilage in the adult. Functional anatomy of the paratubal muscles: Tensor veli palatini muscle.- Levator veli palatini muscle.- Medial pterygoid muscle. Physiology of the Eustachian tube: Eustachian tube function. Epidemiology of the diseased Eustachian tube. Role of Eustachian tube function tests. A new aspect of the Eustachian tube mechanics: The three hypomochlia of the tensor veli palatini muscle. The impact of middle ear protection. Pathophysiology of the Eustachian tube: Patulous Eustachian tube: Four diagnostic steps to a [...]

Fields of interest

Otorhinolaryngology; Head and Neck Surgery; Oral and Maxillofacial Surgery; General Surgery; Pediatric Surgery

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-540-78637-5

Hardcover

2014. X, 80 p. 35 illus., 29 illus. in color.
ISBN 978-3-540-78637-5

Due: November 30, 2013

A.S. El-Baz, University of Louisville, Louisville, USA; L. Saba, University of Cagliari, Cagliari, Italy; J. Suri, Biomedical Technologies, Inc, Roseville, USA (Eds.)

Abdomen and Thoracic Imaging

An Engineering & Clinical Perspective

The book covers novel strategies of state of the art in engineering and clinical analysis and approaches for analyzing abdominal imaging, including lung, mediastinum, pleura, liver, kidney and gallbladder. In the last years the imaging techniques have experienced a tremendous improvement in the diagnosis and characterization of the pathologies that affect abdominal organs. In particular, the introduction of extremely fast CT scanners and high Magnetic field MR Systems allow imaging with an exquisite level of detail the anatomy and pathology of liver, kidney, pancreas, gallbladder as well as lung and mediastinum. Moreover, thanks to the development of powerful computer hardware and [...]

Features

Ayman El-Baz, Ph.D., Associate Professor in the Department of Bioengineering at the University of Louisville, KY. Dr. El-Baz has fourteen years of hands-on experience in the fields of bioimaging modeling and computer-assisted diagnostic systems. His work has been reported at several prestigious international conferences (e.g., CVPR, ICCV, MICCAI, ISBI, etc.) and in journals (e.g., IEEE TMI, IEEE TIP, [...])

Contents

Computer Aided Diagnosis Systems for Acute Renal Transplant Rejection: Challenges and Methodologies.- Kidney Detection and Segmentation in Contrast-Enhanced Ultrasound 3D Images.- Renal Cortex Segmentation on Computed Tomography.- Diffuse Fatty Liver Disease: from Diagnosis to Quantification.- Multimodality Approach to Detection and Characterization of Hepatic Hemangiomas.- Ultrasound Liver Surface and Textural Characterization for the Detection of Liver Cirrhosis.- MR Imaging of Hepatocellular Carcinoma.- Magnetic Resonance Imaging of Adenocarcinoma.- Quantitative Evaluation of Liver [...]

Fields of interest

Imaging / Radiology; Diagnostic Radiology; Biomedicine (general)

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8497-4

Hardcover

2014. X, 776 p. 324 illus., 176 illus. in color.
ISBN 978-1-4614-8497-4

Due: November 30, 2013

J.A. Zeichner (Ed.)

Acneiform Eruptions in Dermatology

A Differential Diagnosis

Dermatologists commonly treat acne, which affects 40 to 50 million Americans each year and about 85 percent of all patients at some point in their lives. Dermatologists, primary care doctors, and pediatricians see these patients every day in practice.

It is important to treat the skin effectively not only to reduce the risk of physical scarring, but also to address the negative psychosocial impact this disease carries. Improving the skin can improve self-confidence, interpersonal relationships, and performance in school or at work. Acneiform Eruptions in Dermatology is a practical, full-color guide to the differential diagnosis of acne vulgaris and the treatment of acne-like [...]

Features

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Contents

Section 1. Acne Vulgaris.- 1. Acne Pathophysiology.- 2. Clinical Presentation of Acne.- 3. Topical Therapies for Acne.- 4. Systemic Therapies for Acne.- 5. Laser and Light Based Therapies for Acne.- Section 2. Infectious Diseases Mimicking Acne Vulgaris.- 6. Bacterial Folliculitis.- 7. Gram Negative Folliculitis.- 8. Hot Tub Folliculitis.- 9. Pityrosporum Folliculitis.- 10. Tinea Barbae.- 11. Flat Warts.- 12. Molluscum Contagiosum.- 13. Herpes Simplex Virus.- 14. Varicella Zoster Virus.- Section 3. Variants of Acne Vulgaris.- 15. Acne Conglobata.- 16. Acne Excoriee.- 17. Acne [...]

Fields of interest

Dermatology; Primary Care Medicine; General Practice / Family Medicine; Pediatrics

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8343-4

Hardcover

2014. XXII, 558 p. 91 illus., 90 illus. in color.
ISBN 978-1-4614-8343-4

Due: November 30, 2013

Th. Sejersen, C.H. Wang, Driscoll Children's Hospital, Corpus Christi, USA (Eds.)

Acute Pediatric Neurology

This book provides recommendations for evaluation and therapy in the area of acute pediatric neurology; these are presented didactically with frequent use of illustrations and algorithms. Chapters in the first part of the book discuss presenting symptoms of acute neurological conditions. The second part of the book covers major areas of acute pediatric neurology and each of these chapters has three key elements: description of presenting symptoms; recommended assessments; and recommended interventions. Acute Pediatric Neurology provides an accessible, clinically focused guide to assist physicians in the emergency ward or intensive care unit in decisions on diagnosis and therapeutic[...]

Features

This book provides recommendations for evaluation and therapy in the area of acute pediatric neurology; these are presented didactically with frequent use of illustrations and algorithms. Chapters in the first part of the book discuss presenting symptoms of acute neurological conditions. The second part of the book covers major areas of acute pediatric neurology and each of these chapters has three key [..]

Contents

Part I: Acute Neurological Symptoms.- Unconsciousness, Coma, and Death by Neurological Criteria.- Seizures.- Acute Headache.- Acute Disturbance of Motor Function.- Acute Disturbance of Vision.- Dizziness and Vertigo.- Acute Changes of Behavior and Memory.- Part 2: Management of Acute Neurological Conditions.- Ischemic and Hypoxic Insults: Near Drowning, Asphyxia, Carbon Monoxide Poisoning.- Neurometabolic Crisis.- Approach to Muscle Cramps, Exercise Intolerance and Recurrent Myoglobinuria.- Management of Seizures and Status Epilepticus.- Management of Increased Intracranial Pressure.-[...]

Fields of interest

Neurology; Pediatrics; Emergency Medicine; Intensive / Critical Care Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-0-85729-490-6

Hardcover

2014. XIII, 420 p. 37 illus., 19 illus. in color.
ISBN 978-0-85729-490-6

Due: November 30, 2013

P. Lack, N. Biller-Andorno, S. Brauer, University of Zurich, Zurich, Switzerland (Eds.)

Advance Directives

This volume gives an overview on the currently debated ethical issues regarding advance directives- from an international perspective. It focuses on a wider understanding of the known and widely accepted concept of patient self-determination for future situations. Although advance directives have been widely discussed since the 1980s, the ethical bases of advance directives still remain a matter of heated debates. The book aims to contribute to these controversial debates by integrating fundamental ethical issues on advance directives with practical matters of their implementation. Cultural, national and professional differences in how advance directives are understood by health care[...]

Features

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Contents

Preface (Editors).- Part I; History of Advance Directives and Prerequisites for Validity.- 1. Historical Review of Advance Directives; Alfred Simon.- 2. Personal Capacity to Anticipate Future Illness and Treatment Preferences; Marie-Jo Thiel.- 3. Advance Directives in Psychiatry Jochen Vollmann.- Part II; Defining the Scope of Advance Directives.- 4. On the Scope and Limits of Advance Directives and Prospective Autonomy; Robert Olick.- 5. Revocation of Advance Directives; Ralf Jox.- 6. Limitations to the Scope and Binding Force of Advance Directives: the Conflict Between Compulsory[...]

Fields of interest

Theory of Medicine / Bioethics; Ethics; Public Health

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-94-007-7376-9

Hardcover

2014. XII, 210 p. (International Library of Ethics, Law, and the New Medicine, Vol. 54)
ISBN 978-94-007-7376-9

Due: October 31, 2013

K. Ruben, Advanced Radiology, Trumbull, USA (Ed.)

Advanced Imaging of the Foot and Ankle

Advanced Imaging of the Foot and Ankle is a comprehensive guide to current medical imaging technologies used in diagnosing injuries and disorders of the foot and ankle. The book contains a wealth of high-resolution imaging studies for magnetic resonance (MR), computed tomography (CT), and ultra sonography (US), as well as the latest in nuclear medicine imaging technology. Chapters are focused on clinical cases involving injuries and disorders of each anatomic region of the foot and ankle, including the Achilles tendon, heel, tarsometatarsal joints, metatarsals, metatarsophalangeal joints, and the toes. Additionally, information is given on safety considerations for imaging studies,[...]

Features

Advanced Imaging of the Foot and Ankle is a comprehensive guide to current medical imaging technologies used in diagnosing injuries and disorders of the foot and ankle. The book contains a wealth of high-resolution imaging studies for magnetic resonance (MR), computed tomography (CT), and ultra sonography (US), as well as the latest in nuclear medicine imaging technology. Chapters are focused on clinical cases [..]

Fields of interest

Imaging / Radiology; Diagnostic Radiology; Orthopedics; Sports Medicine; Primary Care Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-0096-7

Hardcover

2014. 300p. 1000 illus., 200 illus. in color.
ISBN 978-1-4614-0096-7

Due: September 28, 2013

J. Schramm, Univ.Klinikum Bonn, Bonn, Germany (Ed.)

Advances and Technical Standards in Neurosurgery

Volume 41

This volume of Advances and Technical Standards in Neurosurgery is devoted entirely to the spine. Like other volumes in the series, it presents important recent progress in the field and offers detailed descriptions of standard procedures to assist young neurosurgeons. Among the advances considered are approaches to spinal navigation, including intraoperative imaging based navigation, and concepts of spinal robotics. The value of sagittal balance as a parameter for the neurosurgeon is examined, and a novel surgical approach to longitudinal pathologies within the spinal canal is presented. Developments in surgery for kyphosis are also discussed, with a focus on pedicle subtraction[...]

Features

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Contents

Advances: Navigation, robotics, and intraoperative imaging in spinal surgery.- Sagittal balance, a useful tool for neurosurgeons?.- Novel surgical approach in the management of longitudinal pathologies within the spinal canal.- Surgery for Kyphosis. Technical Standards: Cervical disc arthroplasty.- Pedicle-based non-fusion stabilization devices.- Juvenile chronic arthritis and the craniovertebral junction in the pediatric patient.

Fields of interest

Neurosurgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-319-01829-4

Hardcover

2014. XIII, 130 p. 29 illus., 10 illus. in color. (Advances and Technical Standards in Neurosurgery, Vol. 41)
ISBN 978-3-319-01829-4

Due: November 30, 2013

D.M. Guidot, Emory University School of Medicine and, Atlanta, USA; A.J. Mehta, Emory University School of Medicine and, Decatur, USA (Eds.)

Alcohol Use Disorders and the Lung

A Clinical and Pathophysiological Approach

Alcohol Use Disorders and the Lung: A Clinical and Pathophysiological Approach is an excellent resource for clinicians who care for individuals affected by alcohol use disorders in diverse settings. Although alcohol abuse alone does not cause acute lung injury, it renders the lung susceptible to dysfunction in response to the inflammatory stresses of sepsis, trauma, and other clinical conditions recognized to cause acute lung injury. In parallel, these same pathophysiological effects of alcohol abuse significantly increase the risk of a wide range of serious lung infections. Many clinicians involved in the primary treatment of alcohol use disorders, such as addiction psychiatrists, [...]

Features

Alcohol Use Disorders and the Lung: A Clinical and Pathophysiological Approach is an excellent resource for clinicians who care for individuals affected by alcohol use disorders in diverse settings. Although alcohol abuse alone does not cause acute lung injury, it renders the lung susceptible to dysfunction in response to the inflammatory stresses of sepsis, trauma, and other clinical conditions [...]

Contents

A Brief History of Alcohol Use and Abuse in Human History.- Overview of the Evolving Recognition of the Health Effects of Excessive Alcohol Use Over the Past Two Centuries Including the Classic Citations.- Current Definitions of Alcohol Use Disorders and the Use of Validated Questionnaires in Clinical Practice and Research.- The Epidemiology of Alcohol Abuse and Pneumonia.- The Epidemiology of Alcohol and Acute Respiratory Distress Syndrome.- Alcohol, the Upper Airway, and Mucociliary Dysfunction in the Conducting Airways.- Alcohol and the Alveolar Macrophage.- Alcohol and the Alveolar [...]

Fields of interest

Pneumology/Respiratory System; Intensive / Critical Care Medicine; Psychiatry; Internal Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8832-3

Hardcover

2014. X, 400 p. 26 illus., 15 illus. in color. (Respiratory Medicine, Vol. 14)
ISBN 978-1-4614-8832-3

Due: November 30, 2013

A. Leff, Institute of Cognitive Neuroscience, London, United Kingdom; R. Starrfelt, University of Copenhagen, Copenhagen, Denmark

Alexia

Diagnosis, Treatment and Theory

This book is a comprehensive review of the main acquired disorders of reading: hemianopic, pure and central alexia. The authors review the diagnostic criteria for each of the different types of disorder, and the efficacy of the therapeutic studies that have attempted to remediate them. The different theoretical models of adult reading, which largely rest on how the reading system responds to injury, are also discussed and evaluated. Focal brain injury caused by stroke and brain tumors are discussed in depth as are the effects of dementia on reading. This book starts with a chapter on normal reading, followed by chapters on hemianopic alexia, pure alexia and central alexia, each [...]

Features

This book is a comprehensive review of the main acquired disorders of reading: hemianopic, pure and central alexia. The authors review the diagnostic criteria for each of the different types of disorder, and the efficacy of the therapeutic studies that have attempted to remediate them. The different theoretical models of adult reading, which largely rest on how the reading system responds to injury, are [...]

Contents

How do we read?.- Hemianopic alexia.- Pure alexia.- Central alexia.- Alexia theory and therapies: a heuristic.

Fields of interest

Neurology; Neuropsychology; Rehabilitation Medicine

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-1-4471-5528-7

Hardcover

2014. VII, 169 p. 52 illus., 21 illus. in color.
ISBN 978-1-4471-5528-7

Due: October 31, 2013

H. Abcarian, The University of Illinois at Chicago, Chicago, USA (Ed.)

Anal Fistula

Principles and Management

Anal Fistula: Principles and Management provides a comprehensive and state of the art review of major issues specific and related to the treatment of anal fistulas. An important section of the book covers the large number of alternative procedures which have been developed in the last two decades. Needless to say, none of these procedures have been uniformly successful, otherwise there would be no need for all the different operations. The book addresses each alternative procedure, discusses the benefits of each procedure, includes the most up-to-date results. Other important chapters cover the causes and failure of treatment and operations for fistulas. Also included is a Cochrane[...]

Features

Anal Fistula: Principles and Management provides a comprehensive and state of the art review of major issues specific and related to the treatment of anal fistulas. An important section of the book covers the large number of alternative procedures which have been developed in the last two decades. Needless to say, none of these procedures have been uniformly successful, otherwise there would be no [...]

Contents

Epidemiology: incidence and prevalence of fistula in ano.- Applied anatomy.- Relationship of abscess to fistula.- Classification and treatment of anorectal infections.- Clinical assessment of anal fistulas.- Clinical assessment and imaging modalities of fistula in ano.- Classification and management strategies.- Seton (loose, cutting, chemical).- Fistulotomy and lay open technique.- Fistulectomy with Primary Sphincter Reconstruction.- Fibrin sealant.- Biologic fistula plugs.- Synthetic fistula plug.- Endorectal advancement flap.- Dermal advancement flap.- Ligation of Intersphincteric[...]

Fields of interest

Colorectal Surgery; General Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-9013-5

Hardcover

2014. XIV, 206 p. 116 illus., 91 illus. in color. ISBN 978-1-4614-9013-5

Due: November 30, 2013

S.J. Parekattil, Winter Haven Hospital &, Winter Haven, USA; A. Agarwal, Cleveland Clinic, Cleveland, USA (Eds.)

Antioxidants in Male Infertility

A Guide for Clinicians and Researchers

This concise, truncated version of Parekattil and Agarwal's Male Infertility: Contemporary Clinical Approaches, Andrology, ART & Antioxidants is the first resource dedicated solely to antioxidants and male infertility. With select chapters that will prove invaluable to the practitioner of reproductive medicine, Antioxidants in Male Infertility addresses issues such as:- Molecular mechanisms of antioxidants in male infertility- Oxidative stress- The impact of infection, aging, obesity, and injury on male infertility- Natural and synthetic antioxidants and antioxidant therapy- Antioxidants in ICSI and IMSIAlso included is a new chapter reviewing the physiological role of reactive oxygen[...]

Features

This concise, truncated version of Parekattil and Agarwal's Male Infertility: Contemporary Clinical Approaches, Andrology, ART & Antioxidants is the first resource dedicated solely to antioxidants and male infertility. With select chapters that will prove invaluable to the practitioner of reproductive medicine, Antioxidants in Male Infertility addresses issues such as:- Molecular [...]

Contents

Part I: Male Infertility Diagnosis.- Causes of Male Infertility.- Laboratory Evaluation for Male Infertility.- Part II: Oxidants and Antioxidants.- Physiological Role of Reactive Oxygen Species in Sperm Function: A Review.- Molecular Mechanisms of Antioxidants in Male Infertility.- Oxidative Stress.- Loss of Intracellular Antioxidant Enzyme Activity During Sperm Cryopreservation: Effects on Sperm Function After Thawing.- Part III: Causes of Male Infertility.- Infection in Infertility.- Varicocele.- Sperm DNA Damage and Antioxidant[...]

Fields of interest

Urology / Andrology; Reproductive Medicine; Internal Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-9157-6

Softcover

Contains selected chapters from Male Infertility 2013. X, 490 p. 36 illus., 26 illus. in color. ISBN 978-1-4614-9157-6

Due: November 30, 2013

G. Guliš, University of Southern Denmark, Esbjerg, Denmark; O. Mekel, NRW Centre for Health, Bielefeld, Germany; B. Ádám, University of Debrecen, Debrecen, Hungary; L. Cori, Consiglio Nazionale delle Ricerche, Rome, Italy (Eds.)

Assessment of Population Health Risks of Policies

Assessment of Population Health Risks of Policies-Gabriel Guliš, Odile Mekel, Balázs Ádám, and Liliana Cori, editors Public health continues to evolve as professionals work not only to prevent disease and promote well-being but also to reduce health disparities and protect the environment. To a greater extent, policy is intimately linked to this process, a reality that is gaining traction in the public health sector. With this understanding in mind, Assessment of Population Health Risks of Policies introduces an international set of guidelines, Risk Assessment from Policies to Impact Dimension (RAPID). In keeping with widely recognized models of public health operations, this[...]

Features

Assessment of Population Health Risks of Policies-Gabriel Guliš, Odile Mekel, Balázs Ádám, and Liliana Cori, editors Public health continues to evolve as professionals work not only to prevent disease and promote well-being but also to reduce health disparities and protect the environment. To a greater extent, policy is intimately linked to this process, a reality that is gaining [...]

Contents

Public health, policy analysis, risk assessment and impact assessment.-Risk assessment, Impact assessment and evaluation.-Top-Down Policy Risk Assessment.- Bottom-up policy risk assessment.-Quantification of health risks.- Application of RAPID Guidance on an International Policy.- Use of policy risk assessment results in political decision making.

Fields of interest

Public Health; Social Policy

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8596-4

Hardcover

2014. XIV, 269 p. 9 illus. ISBN 978-1-4614-8596-4

Due: October 31, 2013

M. Rietjens, European Institute of Oncology, Milan, Italy; M. Schorr (Eds.)

Atlas of Breast Reconstruction

Breast reconstructive and oncoplastic surgery can reduce the sense of mutilation resulting from oncologic surgery and meets the need to provide breast cancer treatment that will not only eradicate the cancer but also re-establish the patient's quality of life. However, the difficulties inherent in preoperative planning and the intraoperative complexity of breast reconstruction and oncoplastic techniques represent major challenges for the breast surgeon. This atlas, intended for surgeons at every level, is an all-inclusive guide that documents surgical techniques step by step by means of 400 color photos, additional high-quality drawings and illustrations, and succinct accompanying[...]

Features

Breast reconstructive and oncoplastic surgery can reduce the sense of mutilation resulting from oncologic surgery and meets the need to provide breast cancer treatment that will not only eradicate the cancer but also re-establish the patient's quality of life. However, the difficulties inherent in preoperative planning and the intraoperative complexity of breast reconstruction and oncoplastic techniques [...]

Contents

1 Reconstruction technique for total mastectomy; Immediate Definitive Prosthesis, Expander, Immediate and Delayed TRAM flap, Immediate and Delayed Latissimus Dorsi flap, Other procedures.- 2 Reconstruction technique For Partial Mastectomy (also for other partial defects); Volume replacement, Volume displacement with oncoplastic technique.- 3 Contralateral breast (symmetrical) procedure; Augmentation Mammoplasty, Reduction Mammoplasty, Mastopexy.- 4 Reconstruction and correction technique for Nipple-Areola Complex; Arrow flap, Nipple sharing, Areolar Tattoo, NAC reposition.- 5[...]

Fields of interest

Surgical Oncology; Surgery; Plastic Surgery; Anatomy

Target groups

Professional/practitioner

Type of publication

Atlas

More on www.springer.com/978-88-470-5518-6

Hardcover

2014. Approx. 300 p. 430 illus., 400 illus. in color. ISBN 978-88-470-5518-6

Due: March 31, 2014

O. Akin (Ed.)

Atlas of Gynecologic Oncology Imaging

This book provides a comprehensive visual review of pathologic disease variations of the five main types of gynecologic cancers: ovarian, endometrial, cervical, vaginal, and vulvar. Through the use of cross-sectional imaging modalities, including computed tomography, magnetic resonance imaging, ultrasound, and positron emission tomography, it depicts normal anatomy as well as common gynecological tumors. For each type of cancer, aspects such as primary staging, recurrence patterns, and findings from different yet complementary imaging modalities are explored. Atlas of Gynecologic Oncology Imaging presents a coherent perspective of the roles of standard and cutting-edge imaging[...]

Features

This book provides a comprehensive visual review of pathologic disease variations of the five main types of gynecologic cancers: ovarian, endometrial, cervical, vaginal, and vulvar. Through the use of cross-sectional imaging modalities, including computed tomography, magnetic resonance imaging, ultrasound, and positron emission tomography, it depicts normal anatomy as well as common gynecological tumors. For [...]

Contents

Ovarian Cancer.- Endometrial Cancer.- Cervical Cancer.- Vaginal Cancer.- Vulvar Cancer.- PET-CT Imaging in Gynecologic Oncology.- Image-Guided Intervention in Gynecologic Oncology.

Fields of interest

Imaging / Radiology; Diagnostic Radiology; Oncology

Target groups

Professional/practitioner

Type of publication

Atlas

More on www.springer.com/978-1-4614-7211-7

Hardcover

2014. IX, 208 p. 155 illus., 51 illus. in color. (Atlas of Oncology Imaging)
ISBN 978-1-4614-7211-7

usually dispatched within 3 to 5 business days

F. Mihail Filipoiu, University of Medicine and Pharmacy, Bucharest, Romania

Atlas of Heart Anatomy and Development

This heart anatomy book describes the cardiac development and cardiac anatomy in the development of the adult heart, and is illustrated by numerous images and examples. It contains 550 images of dissected embryo and adult hearts, obtained through the dissection and photography of 235 hearts. It has been designed to allow the rapid understanding of the key concepts and that everything should be clearly and graphically explained in one book. This is an atlas of cardiac development and anatomy of the human heart which distinguishes itself with the use of 550 images of embryonic, fetal and adult hearts and using text that is logical and concise. All the mentioned anatomical structures[...]

Features

This book describes the cardiac development and anatomy of the heart, which is richly illustrated by full color images and examples obtained through the dissection and photography of over 200 hearts. Each embryonic, fetal and adult heart image is supplemented by concise explanations of the key concepts involved. The Atlas of Heart Anatomy and Development presents clearly the stages of [...]

Contents

Concepts regarding cardiac development.- Cardiogenic mesoderm.- Primitive cardiac tube formation.- Evolution of the cardiac tube.- Atria and interatrial septum formation.- Atrioventricular junction.- Ventricles and interventricular septum formation.- Formation of the coronary vessels.- Formation of the heart valvular apparatus.- Formation of the heart fibrous skeleton.- Formation of the excitoconductor tissue.- Formation of the autonomous innervations.- Formation of the great vessels located at the base of the heart.- Formation of the pericardium.- The anatomy of heart .-[...]

Fields of interest

Cardiology; Cardiac Surgery

Target groups

Professional/practitioner

Type of publication

Atlas

More on www.springer.com/978-1-4471-5381-8

Hardcover

2014. X, 250 p. 582 illus., 574 illus. in color. ISBN 978-1-4471-5381-8

Due: September 30, 2013

A.W.H. Chan, The Chinese University of Hong Kong, Hong Kong, China (P.R.); A. Quaglia, King's College Hospital, London, United Kingdom; B. Haugk, Royal Victoria Infirmary, Newcastle upon Tyne, United Kingdom; A. Burt, The University of Adelaide, Adelaide, Australia

Atlas of Liver Pathology

The liver is a complex organ due to its unique microscopic structure, intricate metabolic functions and susceptibility to a wide variety of insults, manifesting in countless histological patterns. Atlas of Liver Pathology considers both changes seen in medical liver biopsies as well as lesional biopsies when the specimen has been taken from a mass. The book starts by reviewing normal structure and its variants and the optimal approaches for the preparation of histological sections for diagnostic liver pathology. The following chapters are dedicated to developmental, metabolic, infectious, drug related, autoimmune, biliary, vascular and neoplastic disorders. Two sections on liver[...]

Features

The liver is a complex organ due to its unique microscopic structure, intricate metabolic functions and susceptibility to a wide variety of insults, manifesting in countless histological patterns. Atlas of Liver Pathology considers both changes seen in medical liver biopsies as well as lesional biopsies when the specimen has been taken from a mass. The book starts by reviewing normal structure and [...]

Contents

Normal, Variants, and Methods.- General Processes.- Developmental Abnormality.- Metabolic Liver Disease.- Fatty Liver Disease.- Viral Liver Disease.- Nonviral Infectious Liver Disease.- Drug-Induced Liver Injury.- Autoimmune Hepatitis.- Biliary Disease.- Vascular Disorders.- Premalignant Lesion.- Neoplasm-like Liver Lesion.- Epithelial Liver Neoplasm.- Nonepithelial Liver Neoplasm.- Obstetric Liver Disease.- Transplantation Pathology.

Fields of interest

Pathology; Hepatology

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-1-4614-9113-2

Hardcover

2014. XII, 286 p. 707 illus., 704 illus. in color. (Atlas of Anatomic Pathology)
ISBN 978-1-4614-9113-2

Due: December 28, 2013

P. Picci, Istituto Ortopedico Rizzoli, Bologna, Italy; M. Manfrini, Istituto Ortopedico Rizzoli, Bologna, Italy; N. Fabbri, Memorial Sloan-Kettering Cancer Center, New York, USA; M. Gambarotti, Istituto Rizzoli, Bologna, Italy; D. Vanel, Istituto Rizzoli, Bologna, Italy (Eds.)

Atlas of Musculoskeletal Tumors and Tumorlike Lesions

The Rizzoli Case Archive

This book reflects the experience of the Rizzoli Orthopedic Institute during more than 100 years of treatment of musculoskeletal tumor and tumorlike lesions. It presents a wide range of lesions from a multidisciplinary perspective, highlighting pertinent clinical, radiological, and histological correlations. Treatment is briefly reported for each entity. In addition, the more recent biomolecular findings of use for diagnosis, prognosis, and treatment are carefully analyzed. The Rizzoli case archive spans more than a century, the first treated case dating back to 28 September 1900, and contains the original material – clinical charts, imaging, paraffin blocks, and histological slides[...]

Features

This book reflects the experience of the Rizzoli Orthopedic Institute during more than 100 years of treatment of musculoskeletal tumor and tumorlike lesions. It presents a wide range of lesions from a multidisciplinary perspective, highlighting pertinent clinical, radiological, and histological correlations. Treatment is briefly reported for each entity. In addition, the more recent biomolecular findings of [...]

Contents

Staging. Bone Tumors: Histiocytic Fibroma.- Multiple Histiocytic Fibromas with Extraskelatal Abnormalities.- Fibrous Dysplasia.- Osteofibrous Dysplasia of Long Bones.- Simple Bone Cyst.- Histiocytosis X.- Chondroma.- Periosteal Chondroma.- Multiple Chondromas.- Osteoid Osteoma.- Osteoblastoma.- Aneurysmal Bone Cyst.- Giant Cell Tumor.- Chondroblastoma.- Chondromyxoid Fibroma.- Chondromyxoid Fibroma.- Desmoid Fibroma.- Chondrosarcomas.- Osteosarcomas.- Malignant Fibrous Histiocytoma.- Fibrosarcoma.- Ewing's Family Tumors.- Adamantinoma.- Vascular Tumors.- Chordoma.- Primary Lymphoma[...]

Fields of interest

Oncology; Surgery; Pathology; Imaging / Radiology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-319-01747-1

Hardcover

2014. X, 350 p. 250 illus., 150 illus. in color.
ISBN 978-3-319-01747-1

Due: November 30, 2013

P.F. Escobar, Ob/Gyn & Women's Health Institute, Cleveland, USA; T. Falcone, Ob/Gyn & Women's Health Institute, Cleveland, USA (Eds.)

Atlas of Single-Port, Laparoscopy, and Robotic Surgery

A Practical Approach in Gynecology

Minimally invasive surgery has become the standard treatment for many diseases and conditions. In the last decade, numerous studies have demonstrated that laparoscopic approaches have improved patients' quality of life if compared with standard open procedures. Laparoendoscopic single-site surgery (LESS), also known as single-port surgery, has been recently developed as an alternative to conventional laparoscopy or robotic surgery and as an attempt to further enhance the cosmetic benefits of minimally invasive surgery, while minimizing the potential morbidity associated with multiple incisions. This surgical atlas serves as guide in single-port, standard laparoscopy, and robotic[...]

Features

Minimally invasive surgery has become the standard treatment for many diseases and conditions. In the last decade, numerous studies have demonstrated that laparoscopic approaches have improved patients' quality of life if compared with standard open procedures. Laparoendoscopic single-site surgery (LESS), also known as single-port surgery, has been recently developed as an alternative to conventional [...]

Fields of interest

Minimally Invasive Surgery; Gynecology; Reproductive Medicine

Target groups

Professional/practitioner

Type of publication

Atlas

More on www.springer.com/978-1-4614-6839-4

Hardcover

2014. 250 p. 200 illus. in color.
ISBN 978-1-4614-6839-4

Due: November 2013

D.A. Spinner, Mount Sinai School of Medicine, New York, USA; J.S. Kirschner, Mount Sinai Medical Center, New York, USA; J.E. Herrera, Mount Sinai Medical Center, New York, USA (Eds.)

Atlas of Ultrasound Guided Musculoskeletal Injections

The use of ultrasound guidance to perform diagnostic and therapeutic injections is growing at a rapid rate, as is the evidence to support its use. Even with the increased popularity of ultrasound, there remains a lack of formal training or a standard reference book. Atlas of Ultrasound Guided Musculoskeletal Injections fills this void in the literature and will be useful to physiatrists, orthopedists, rheumatologists, pain medicine and sports medicine specialists alike. Broken down by anatomic structure and heavily illustrated, this book is both comprehensive and instructive. The Editors and their contributors break down the basics (both the fundamentals of ultrasound to needle[...])

Features

The use of ultrasound guidance to perform diagnostic and therapeutic injections is growing at a rapid rate, as is the evidence to support its use. Even with the increased popularity of ultrasound, there remains a lack of formal training or a standard reference book. Atlas of Ultrasound Guided Musculoskeletal Injections fills this void in the literature and will be useful to physiatrists, [...]

Contents

Introduction.- Shoulder.- Elbow.- Wrist and Hand.- Hip and Groin.- Knee.- Foot and Ankle.- Trigger Point.- Neuromuscular/Chemodenervation.- Spine.

Fields of interest

Rehabilitation Medicine; Ultrasound; Orthopedics

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8935-1

Hardcover

2014. XX, 253 p. 139 illus., 138 illus. in color. (Musculoskeletal Medicine)

ISBN 978-1-4614-8935-1

Due: December 28, 2013

G.-A. Dan, A. Bayés de Luna, J. Camm, St. George's University of London, London, United Kingdom (Eds.)

Atrial Fibrillation Therapy

The paradigm for atrial fibrillation (AF) management has changed significantly in recent years. A new era has begun for the prevention of one of the most tremendous complication of AF, stroke. Prevention of ischemic stroke in AF patients with oral anticoagulants represents a huge challenge because of the narrow therapeutic change of these drugs, interindividual and intraindividual variability, and the unsatisfactory time in therapeutically range (TTR) with this type of medication. New guidelines have emerged as a result of new mechanisms for initiation and perpetuation for pharmacotherapy to cure AF and trials with new classes of antithrombotic drugs are ongoing. The treatment of AF is [...]

Features

This book presents the current evidence and practice in the pharmacological treatment of atrial fibrillation (AF). AF management has changed significantly in recent years as a new era has begun for the prevention of stroke, one of the most devastating complications of AF. Prevention of ischemic stroke in AF patients with oral anticoagulants represents a huge challenge and the enormous amount of research is [...]

Contents

Epidemiology, burden and unmet needs in atrial fibrillation.- Inside Molecular Mechanisms and pharmacological Targets of Atrial Fibrillation.- Novel oral anticoagulants for stroke prevention in patients with non-valvular atrial fibrillation.- Upstream therapy in the treatment of atrial fibrillation.- Drug therapy for rhythm and rate control in Atrial Fibrillation.- Changing the paradigm to understand and manage Atrial Fibrillation.- Guidelines and current recommendations in Atrial Fibrillation.

Fields of interest

Cardiology; Pharmacotherapy

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4471-5474-7

Softcover

2014. X, 170 p. 22 illus., 10 illus. in color. (Current Cardiovascular Therapy)

ISBN 978-1-4471-5474-7

Due: November 30, 2013

L. Emmi (Ed.)

Behçet's Syndrome

From Pathogenesis to Treatment

Behçet's syndrome can reasonably be considered a unique entity among diseases of the immune system for several reasons: It has specific features and, uniquely among the immune system pathologies, represents a link between autoimmune diseases, systemic vasculitis, and autoinflammatory diseases. In addition, it is of interest to a variety of specialists, including immunologists, rheumatologists, dermatologists, and ophthalmologists, and requires a complex multidisciplinary approach. Many aspects need to be considered in a syndrome that presents a wide spectrum of symptoms and for which the therapeutic armamentarium is expanding significantly, with the development of new treatments, not[...]

Features

Behçet's syndrome can reasonably be considered a unique entity among diseases of the immune system for several reasons: It has specific features and, uniquely among the immune system pathologies, represents a link between autoimmune diseases, systemic vasculitis, and autoinflammatory diseases. In addition, it is of interest to a variety of specialists, including immunologists, rheumatologists, dermatologists, [...]

Contents

Preface 1 Behçet syndrome.- Preface 2 Behçet's syndrome: the role of patient's Associations.- The numbers of Behçet: a rare disease.- Along the Old Silk Road.- Epidemiology of Behçet's syndrome.- Behçet's syndrome according to classical and population genetics.- Infections, autoimmunity and Behçet's syndrome: what liaison.- Pathogenesis of Behçet's syndrome.- Muco-cutaneous involvement in Behçet's syndrome.- Neurological and neuropsychological manifestation in Behçet's syndrome.- Ocular involvement and Behçet.- Muscle and articular manifestations in Behçet's syndrome.- Cardiovascular[...]

Fields of interest

Rheumatology; Dermatology; Internal Medicine; Immunology; Pharmaceutical Sciences / Technology; Medical Education

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-88-470-5476-9

Hardcover

2014. XI, 152 p. 39 illus., 24 illus. in color. (Rare Diseases of the Immune System)

ISBN 978-88-470-5476-9

Due: November 30, 2013

C.N. Chinyama, Princess Elizabeth Hospital, St. Martin's Guernsey, United Kingdom

Benign Breast Diseases

Radiology - Pathology - Risk Assessment

The second edition of this book has been extensively revised and updated. There has been a lot of scientific advances in the radiology, pathology and risk assessment of benign breast lesions since the publication of the first edition. The first edition concentrated on screen-detected lesions, which has been rectified. New symptomatic and screen-detected lesions are discussed in the second edition and include: mastitis and breast abscess, idiopathic granulomatous mastitis, diabetic mastopathy, phyllodes tumour, gynaecomastia and pseudoangiomatous stromal hyperplasia. The chapters on columnar cell lesions and mucocoele-like lesions have been extensively updated. Where applicable, genetic[...]

Features

The second edition of this book has been extensively revised and updated. There have been numerous scientific advances in the radiology, pathology and risk assessment of benign breast lesions since the publication of the first edition. The first edition concentrated on screen-detected lesions, which has since been rectified; new symptomatic and screen-detected lesions are discussed in the second edition [...]

Contents

The normal female breast.- Overview of benign breast lesions.-Radiology of breast lesions.- Surgery of benign breast lesions.-Pathology of benign breast lesions.- Inflammatory lesions.- Cystic lesions.- Fibro-epithelial lesions.- Infiltrative pseudo-malignant lesions.- Epithelial proliferative lesions.- Columnar cell lesions.- Mucocoele-like lesions.- Calcification in benign lesions.- Non-epithelial lesions.- Male breast lesions.- Risk assessment in benign breast lesions.

Fields of interest

Imaging / Radiology; Diagnostic Radiology; Gynecology; Oncology; Pathology

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-3-642-41064-2

Hardcover

2014. XII, 287 p. 104 illus., 86 illus. in color.
ISBN 978-3-642-41064-2

Due: November 30, 2013

L.A. Eaton, S.C. Kalichman, University of Connecticut, Storrs, USA (Eds.)

Biomedical Advances in HIV Prevention

Social and Behavioral Perspectives

Biomedical Advances in HIV Prevention: Social and Behavioral Perspectives.Lisa A. Eaton and Seth C. Kalichman, editorsThree decades into the epidemic, a great deal is known about HIV and its transmission, more people are living with the disease, and the virus is no longer seen as a death sentence. But new people continue to be infected with HIV each year, making prevention strategies that are medically effective and behaviorally engaging as urgent a priority as ever.Biomedical Advances in HIV Prevention: Social and Behavioral Perspectives assembles the latest improvements, barriers to implementation, and possibilities for--and challenges to--future progress. Innovations such as[...]

Features

Biomedical Advances in HIV Prevention: Social and Behavioral Perspectives Lisa A. Eaton and Seth C. Kalichman, editors Three decades into the epidemic, a great deal is known about HIV and its transmission, more people are living with the disease, and the virus is no longer seen as a death sentence. But new people continue to be infected with HIV each year, making [...]

Contents

Part I. Advances in HIV Prevention Technologies.- Chapter 1: Advances, Promises, and Challenges in HIV Prevention.- Chapter 2: Pre-Exposure Prophylaxis.- Chapter 3: Prevention Services with Persons Living with HIV.- Chapter 4: Advocating for Rectal Microbicides and Safe Lubricants.- Part II. Behavioral Challenges and Opportunities.- Chapter 5: Adherence to HIV Treatment as Prevention and Pre-Exposure Prophylaxis.- Chapter 6: Risk Compensation in Response to HIV Prevention.- Chapter 7: Mental Health and Substance Use in the Scale Up of HIV Prevention.- Chapter 8: Substance Use Treatment[...]

Fields of interest

Public Health; Health Promotion and Disease Prevention

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-1-4614-8844-6

Hardcover

2014. I, 507 p. 12 illus.
ISBN 978-1-4614-8844-6

Due: October 31, 2013

E.H. Shortliffe, American Medical Informatics, Bethesda, USA; J.J. Cimino, Columbia University, New York, USA (Eds.)

Biomedical Informatics

Computer Applications in Health Care and Biomedicine

The practice of modern medicine and biomedical research requires sophisticated information technologies with which to manage patient information, plan diagnostic procedures, interpret laboratory results, and carry out investigations. Biomedical Informatics provides both a conceptual framework and a practical inspiration for this swiftly emerging scientific discipline at the intersection of computer science, decision science, information science, cognitive science, and biomedicine. Now revised and in its third edition, this text meets the growing demand by practitioners, researchers, and students for a comprehensive introduction to key topics in the field. Authored by leaders in[...]

Features

Biomedical Informatics: Computer Applications in Health Care and Biomedicine meets the growing demand of practitioners, researchers, educators, and students for a comprehensive introduction to key topics in the field and the underlying scientific issues that sit at the intersection of biomedical science, patient care, public health, and information technology (IT). This 4th edition reflects the [...]

Contents

Biomedical Informatics: The Science and the Pragmatics.- Biomedical Data: Their Acquisition, Storage, and Use.- Biomedical Decision Making: Probabilistic Clinical Reasoning.- Cognitive Science and Biomedical Informatics.- Computer Architectures for Health Care and Biomedicine.- Software Engineering for Health Care and Biomedicine.- Standards in Biomedical Informatics.- Natural Language Processing in Health Care and Biomedicine.- Biomedical Imaging Informatics.- Ethics and Biomedical and Health Informatics: Users, Standards, and Outcomes.- Evaluation of Biomedical and Health Information[...]

Fields of interest

Health Informatics; Biomedicine (general)

Target groups

Graduate

Type of publication

Graduate/advanced undergraduate textbook

More on www.springer.com/978-1-4471-4473-1

Hardcover

2014. XVII, 1000 p. 253 illus., 135 illus. in color.
ISBN 978-1-4471-4473-1

Due: October 31, 2013

H.-J. Oestern, General Hospital Celle, Celle, Germany; O. Trentz, University of Zurich, Zürich, Switzerland; S. Uranues, Medizinische Universität Graz, Graz, Austria (Eds.)

Bone and Joint Injuries

Trauma Surgery III

There currently is a clear tendency to an increasing number of accidental injuries in elderly people, in sport injuries and car crashes also in countries which recently joined the European Union and candidates to join the European Union. Patients expect very good functional results even after serious injuries. But in contrast to this development, Trauma Surgery as an independent field, is not yet established in all European countries. Therefore, it seems mandatory to compile a book that covers the state-of-the-art in Trauma Surgery. The book also serves to harmonise the practice of Trauma Surgery within the European Union, and to prepare for the exam of the U.E.M.S.

Features

All European countries, including those that have recently joined the European Union or are candidates for membership, currently show a clear trend towards an increasing number of accidental injuries. This holds true for a range of injuries, including accidents among the elderly, sports injuries, and trauma due to traffic accidents. The increase in the number of injuries is accompanied by rising [...]

Contents

Shoulder Injuries.- Clavicular Fractures.- Humeral Shaft Fractures.- Biceps Tendon Injuries.- Elbow Injuries.- Forearmshaft Fractures.- Hand.- Femur.- Knee Joint.- Tibia.- Foot.- Spinal Trauma.- Pelvic Trauma.- Peripheral Nerve.- Muscle Injuries.- Tendon Injuries.- Pediatric Injuries.- Pathological Fractures.- Nonunion.- Osteitis.-

Fields of interest

Traumatic Surgery; Surgery; Surgical Orthopedics; Anesthesiology; Neurosurgery

Target groups

Professional/practitioner

Type of publication

Manual

More on www.springer.com/978-3-642-38387-8

Softcover

2014. XIV, 450 p. 273 illus., 168 illus. in color. (European Manual of Medicine)
ISBN 978-3-642-38387-8

Due: October 31, 2013

T. Karachalios (Ed.)

Bone-Implant Interface in Orthopedic Surgery

Basic Science to Clinical Applications

Total joint arthroplasty is an effective surgical procedure for end-stage osteoarthritis of major joints with satisfactory long term clinical outcome. A large and growing number of arthroplasties are performed annually worldwide and a great number of orthopaedic surgeons are practicing arthroplasty surgery as their main surgical activity. The biological behavior of the bone-implant interface is crucial for the long term survival of the artificial joint. All factors which have a positive or negative effect on the interface are of great interest for those practicing arthroplasty surgery. Basic scientists and the industry are continuously searching for new implant fixation mechanisms and[...]

Features

What is the optimal design and fixation of the implants we use for orthopedic reconstructions? What is the gold standard for the management of patients requiring implants? Is there scope for improvement still further? Huge efforts have been made both by research scientists in orthopedics and the implant industry to furthering the options available for arthroplasty without [...]

Contents

Current evidence in designs and fixation surfaces in total hip arthroplasty (a brief overview).- Early and late mechanical stability of the cementless bone implant interface in total joint arthroplasty.- Cement- bone interface in total joint arthroplasty.- The implant cement interface in total hip arthroplasty.- Cobalt-Chrome porous coated implant-bone interface in total joint arthroplasty.- Titanium porous coated implant-bone Interface in Total Joint Arthroplasty.- Grit blasted implant bone interface in total joint arthroplasty Eduardo García-Rey, Eduardo García-Cimbreló.- HA coated[...]

Fields of interest

Surgical Orthopedics; Molecular Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5408-2

Hardcover

2014. XIX, 370 p. 116 illus., 50 illus. in color.
ISBN 978-1-4471-5408-2

Due: November 30, 2013

B.J. Coventry, University of Adelaide, Adelaide, Australia (Ed.)

Breast, Endocrine and Surgical Oncology

Written by internationally acclaimed specialists, Breast, Endocrine and Surgical Oncology provides pertinent and concise procedure descriptions spanning benign and malignant problems and minimally invasive procedures. Complications are reviewed when appropriate for the organ system and problem, creating a book that is both comprehensive and accessible. Stages of operative approaches with relevant technical considerations are outlined in an easily understandable manner. The text is illustrated throughout by photographs that depict anatomic or technical principles. Forming part of the series, Surgery: Complications, Risks and Consequences, this volume Breast, Endocrine and Surgical[...]

Features

Written by internationally acclaimed specialists, Breast, Endocrine and Surgical Oncology provides pertinent and concise procedure descriptions spanning benign and malignant problems and minimally invasive procedures. Complications are reviewed when appropriate for the organ system and problem, creating a book that is both comprehensive and accessible. Stages of operative approaches with relevant [...]

Contents

Introduction.- Breast Surgery.- Thyroid and Parathyroid Surgery.- Adrenal Gland Surgery.- Lymphatic Surgery.- Splenic Surgery.- Specialised Cancer Procedures and Surgery.

Fields of interest

Surgery; Surgical Oncology; Endocrinology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5420-4

Hardcover

2014. XIII, 220 p. 33 illus. in color. (Surgery: Complications, Risks and Consequences)
ISBN 978-1-4471-5420-4

Due: November 30, 2013

Z.P. Nagy, A.C. Varghese, A. Agarwal, Cleveland Clinic, Cleveland, USA (Eds.)

Building and Managing an IVF Laboratory

A Practical Guide

This concise, truncated version of Nagy, Varghese and Agarwal's Practical Manual of In Vitro Fertilization is comprised of select practical chapters for a portable, affordable and up-to-date resource. Building and Managing an IVF Laboratory covers a variety of topics, including: - Setting up and running an IVF laboratory - IVF laboratory equipment and culture systems - Organization of the IVF unit - Licensing and regulation in the ART laboratory - Quality control and troubleshooting Practical for both clinicians and researchers alike, Building and Managing an IVF Laboratory brings together all of the need-to-know information about these important topics in reproductive medicine.

Features

This concise, truncated version of Nagy, Varghese and Agarwal's Practical Manual of In Vitro Fertilization is comprised of select practical chapters for a portable, affordable and up-to-date resource. Building and Managing an IVF Laboratory covers a variety of topics, including: - Setting up and running an IVF laboratory - IVF laboratory equipment and culture systems - [..]

Contents

Part I: Setting Up and Running an IVF Laboratory.- Building the Laboratory.- Air Quality Management.- Part II: IVF Laboratory Equipment and Culture Systems.- Essential Instruments and Disposable Supplies for an IVF Lab.- CO₂ and Low-O₂ Incubators.- IVF Workstations.- Part III: Organization of the IVF Unit.- Organizational Aspects of the Laboratory in a Tertiary Care ART Center.- Daily, Weekly, and Regular Preparations for the IVF Laboratory.- Data Management in the ART Laboratory: Requirements and Solutions.- Part IV: Licensing and Regulation in the ART Laboratory.- Regulation,[...]

Fields of interest

Reproductive Medicine; Obstetrics / Perinatology; Gynecology; Urology / Andrology; Practice Management

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8365-6

Softcover

Contains selected chapters from Practical Manual of In Vitro Fertilization
2013. X, 200 p.
ISBN 978-1-4614-8365-6

Due: October 31, 2013

H. Tsujii, National Inst. of Radiological Sciences, Chiba, Japan; T. Kamada, NIRS, Chiba, Japan; T. Shirai, NIRS, Chiba, Japan; K. Noda, NIRS, Chiba, Japan; H. Tsujii, NIRS, Chiba, Japan; K. Karasawa, NIRS, Chiba, Japan (Eds.)

Carbon-Ion Radiotherapy

Principles, Practices, and Treatment Planning

This book serves as a practical guide for the use of carbon ions in cancer radiotherapy. On the basis of clinical experience with more than 7,000 patients with various types of tumors treated over a period of nearly 20 years at the National Institute of Radiological Sciences, step-by-step procedures and technological development of this modality are highlighted. The book is divided into two sections, the first covering the underlying principles of physics and biology, and the second section is a systematic review by tumor site, concentrating on the role of therapeutic techniques and the pitfalls in treatment planning. Readers will learn of the superior outcomes obtained with[...]

Features

This book serves as a practical guide for the use of carbon ions in cancer radiotherapy. On the basis of clinical experience with more than 7,000 patients with various types of tumors treated over a period of nearly 20 years at the National Institute of Radiological Sciences, step-by-step procedures and technological development of this modality are highlighted. The book is divided into two sections, the [..]

Contents

Part 1. The History of Carbon-Ion Radiotherapy.-
1. The History of Carbon-Ion Radiotherapy.- Part 2. An Overview of Carbon-Ion Radiotherapy.- 2. The Characteristics of Carbon-Ion Radiotherapy.- 3. Overview of the Heavy-Ion Medical Accelerator in Chiba (HIMAC) Practices.- Part 3. Radiobiology of Carbon-Ion Radiotherapy.- 4. Heavy-ion Radiobiology.- 5. Biophysical Models and RBE.- Part 4. Carbon-Ion Radiotherapy System.- 6. Workflow of Carbon-Ion Radiotherapy.- 7. Beam Delivery Systems.- 8. Dosimetry.- 9. Motion Management.- 10. Quality assurance.- Part 5. Treatment Planning of Carbon-Ion[...]

Fields of interest

Radiotherapy; Oncology; Medical and Radiation Physics

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-4-431-54456-2

Hardcover

2014. XII, 386 p. 238 illus., 196 illus. in color.
ISBN 978-4-431-54456-2

Due: November 30, 2013

A.S. Kibos, Center Hospitalier Coutances, Coutances, France; B.P. Knight, Northwestern University, Chicago, USA; V. Essebag, McGill University Health Center, Montreal, Canada; S.B. Fishberger, Miami Children's Hospital, Miami, USA; M. Slevin, Manchester Metropolitan University, Manchester, United Kingdom; I.C. Tintoiu, "Carol Davila" University of Medicine, Bucharest, Romania (Eds.)

Cardiac Arrhythmias

From Basic Mechanism to State-of-the-Art Management

This book covers all the major aspects associated with pathophysiological development of cardiac arrhythmias (covering enhanced or suppressed automaticity, triggered activity, or re-entry), from basic concepts through disease association, limitations of current pharmacotherapy and implant therapies and on-going trials and analysis of new biomarkers based on current knowledge of cellular interaction and signalling. The book describes novel and state-of-the-art methods for differentiating between the major types of arrhythmia, structural abnormalities and current practice guidelines and determination of risk stratification associated with sudden cardiac death. A particular focus is on[...]

Features

The past 50 years have witnessed the growth and evolution of clinical electrophysiology from a field whose goals were simply to understand the mechanisms of arrhythmia to one of significant therapeutic impact. The development and refinement of implantable devices and catheter ablation have made non-pharmacological therapy a treatment of choice for most arrhythmias encountered in clinical [..]

Contents

Section I. Basics in arrhythmias anatomy.- Section II. Diagnostic methods.- Section III- Diseases associated with arrhythmias.- Section IV- Treatment.

Fields of interest

Cardiology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5315-3

Hardcover

2014. XXIII, 706 p. 319 illus., 228 illus. in color.
ISBN 978-1-4471-5315-3

Due: October 31, 2013

F. Saremi, USC University Hospital, Los Angeles, USA (Ed.)

Cardiac CT and MR for Adult Congenital Heart Disease

This is the first major textbook to address both computed tomography (CT) and magnetic resonance (MR) cardiac imaging of adults for the diagnosis and treatment of congenital heart disease (CHD). Since the introduction of faster CT scanners, there has been tremendous advancement in the diagnosis of CHD in adults. This is mostly due to the higher spatial resolution of CT compared to MR, which enables radiologists to create more detailed visualizations of cardiac anatomic structures, leading to the discovery of anomalous pathologies often missed by conventional MR imaging. This book is unique in highlighting the advantages of both CT and MR for the diagnosis of CHD in adults, focusing[...]

Features

This book is a state-of-the-art reference that presents computed tomography (CT) and magnetic resonance (MR) cardiac imaging for the diagnosis and treatment planning of adult congenital heart disease (ACHD). It highlights the advantages of CT and MR in the management of ACHD, focusing on the complementary collaboration between these two modalities where possible. CT and MR aids in the evaluation of cardiac [...]

Contents

1. Classification and Epidemiology.- 2. Embryology.- 3. Cardiac MRI Examination: An Overview.- 4. Magnetic Resonance Angiography.- 5. Principles of CT Imaging.- Echocardiographic Imaging in Adult Congenital Heart Disease.- 6. Echocardiographic Imaging in Adult Congenital Heart Disease.- 7. Right Ventricle Outflow Tract.- 8. Left Ventricular Outflow Tract.- 9. Repaired Tetralogy of Fallot.- 10. Transposition of the Great Arteries.- 11. Univentricular Heart.- 12. Visceroatrial Situs in Congenital Heart Disease.- 13. Cardiac Shunts: ASD, VSD, PDA.- 14. Atrioventricular Septal Defects.- 15.[...]

Fields of interest

Imaging / Radiology; Diagnostic Radiology; Interventional Radiology; Cardiology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8874-3

Hardcover

2014. XX, 801 p. 532 illus., 347 illus. in color.
ISBN 978-1-4614-8874-3

Due: December 28, 2013

K. Sliwa, J. Anthony, Groote Schuur Hospital, Cape Town, South Africa (Eds.)

Cardiac Drugs in Pregnancy

The spectrum of cardiovascular disease affecting women in pregnancy and postpartum is changing and differs between countries. In the western world, the risk of cardiovascular disease in pregnancy has increased due to the increasing age at the first pregnancy and the worldwide obesity epidemic leading also to early diabetes and hypertension. In addition the treatment of congenital heart disease has improved leading to an increased number of women with residual heart disease reaching childbearing age. In the western world maternal heart disease is now the major cause of maternal death during pregnancy. In the developing world rheumatic heart disease and the cardiomyopathies dominate.[...]

Features

In the western world, the risk of cardiovascular disease in pregnancy has grown due to the increasing age at the first pregnancy and the worldwide obesity epidemic leading to early diabetes and hypertension. As a result more women are requiring drug therapy during pregnancy and some data has shown an altered pharmacodynamic profile in pregnant women when compared to the non-pregnant population. [...]

Contents

Introduction.- General principles and guidelines.- Management of Hypertension.- Management of Heart Failure.- Management of coronary artery disease & Arrhythmia.- Anticoagulation in Pregnancy.- Obstetric drugs in management if Cardiovascular disease.- Pregnancy anaesthesia in patients with cardiovascular disease.

Fields of interest

Cardiology; Obstetrics / Perinatology; Maternal and Child Health; Pharmacotherapy

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5471-6

Softcover

2014. X, 110 p. 4 illus., 3 illus. in color. (Current Cardiovascular Therapy)
ISBN 978-1-4471-5471-6

Due: November 30, 2013

B.J. Coventry, University of Adelaide, Adelaide, Australia (Ed.)

Cardio-Thoracic, Vascular, Renal and Transplant Surgery

Written by internationally acclaimed specialists, Cardio-Thoracic, Vascular, Renal and Transplant Surgery provides pertinent and concise procedure descriptions spanning benign and malignant problems and minimally invasive procedures. Complications are reviewed when appropriate for the organ system and problem, creating a book that is both comprehensive and accessible. Stages of operative approaches with relevant technical considerations are outlined in an easily understandable manner. Forming part of the series, Surgery: Complications, Risks and Consequences, this volume Cardio-Thoracic, Vascular, Renal and Transplant Surgery provides a valuable resource for all general surgeons and[...]

Features

Written by internationally acclaimed specialists, Cardio-Thoracic, Vascular, Renal and Transplant Surgery provides pertinent and concise procedure descriptions spanning benign and malignant problems and minimally invasive procedures. Complications are reviewed when appropriate for the organ system and problem, creating a book that is both comprehensive and accessible. Stages of operative approaches [...]

Contents

Introduction.- Blood Transfusion.- Arterial Surgery.- Venous Surgery.- Amputation.- Vascular Access Surgery.- Lung Surgery.- Cardiac Surgery.- Renal Surgery.- Renal Transplant Surgery.- Liver Transplant Surgery.

Fields of interest

Surgery; Transplant Surgery; Cardiac Surgery; Thoracic Surgery; Vascular Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5417-4

Hardcover

2014. XV, 170 p. (Surgery: Complications, Risks and Consequences)
ISBN 978-1-4471-5417-4

Due: November 30, 2013

S. Zabransky

Caring for Children Born Small for Gestational Age

Care for Children Born Small for Gestational Age is a comprehensive handbook that serves to synthesize the extensive recent literature in the area to provide a practical resource aimed at a wide range of healthcare professionals, including obstetricians, midwives, neonatologists, and primary care physicians. This comprehensive handbook includes an in-depth survey of the prevention, diagnosis, treatment and long-term monitoring of children born small for gestational age, as well as related conditions such as intrauterine growth restriction, metabolic syndrome and type 2 diabetes. Additionally, the short and long-term psychiatric and social consequences of this condition are addressed.

Features

Care for Children Born Small for Gestational Age is a comprehensive handbook that serves to synthesize the extensive recent literature in the area to provide a practical resource aimed at a wide range of healthcare professionals, including obstetricians, midwives, neonatologists, and primary care physicians. This comprehensive handbook includes an in-depth survey of the prevention, diagnosis, treatment and [...]

Contents

Fetal Development.- Intrauterine aspects.- Maternal nutrition.- Prenatal care, surveillance, and risk assessment.- Birthweight percentiles: an international comparison.- Fetal growth restriction: definitions, causes, and epidemiology.- Obstetric aspects.- Placental function in intrauterine growth restriction.- Placental function: predicting impairment.- The role of genetic and epigenetics in growth restriction.- Fetal programming.- Premature infants.- Term newborns.- Endocrine regulation of fetal growth.- Growth hormone treatment.- Renal function.- Pancreatic development.- Metabolic[...]

Fields of interest

Pediatrics; Obstetrics / Perinatology; Maternal and Child Health; Health Promotion and Disease Prevention; Metabolic Diseases; Endocrinology

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-1-908517-85-2

Softcover

2014. Approx. 300 p. 44 illus., 37 illus. in color. ISBN 978-1-908517-85-2

Due: December 15, 2013

J. Farr, Indiana University School of Medicine, Greenwood, USA; A.H. Gomoll, Brigham and Women's Hospital, Chestnut Hill, USA (Eds.)

Cartilage Restoration

Practical Clinical Applications

Attempting to bridge the gap between the science and art of cartilage restoration, *Cartilage Restoration: Practical Clinical Applications* combines an overview of clinical research and methodologies with clinical cases to help guide the orthopedic treatment and care of patients presenting with cartilage issues. With chapters written by internationally-renowned orthopedic surgeons, topics include an overview of current surgical options, debridement and marrow stimulation, autograft plug transfer, allografts, cell therapy, and meniscal issues. *Cartilage Restoration* is a valuable resource for orthopedic surgeons, residents, and fellows.

Features

Attempting to bridge the gap between the science and art of cartilage restoration, *Cartilage Restoration: Practical Clinical Applications* combines an overview of clinical research and methodologies with clinical cases to help guide the orthopedic treatment and care of patients presenting with cartilage issues. With chapters written by internationally-renowned orthopedic surgeons, topics include an [...]

Contents

Learning from the Evolution of Cartilage Restoration.- The Osteochondral Unit.- Imaging of Articular Cartilage.- General Treatment Algorithm for Cartilage Defects.- Tibiofemoral Malalignment.- Tibiofemoral Patholaxity.- Patellofemoral Considerations: Pain, Instability, Chondrosis and Alignment.- Meniscal Considerations in Cartilage Surgery.- Approaching Complex Cases.- Debridement and Marrow Stimulation.- Osteochondral Autograft Transfer.- Osteochondral Allograft.- Autologous Chondrocyte Implantation (ACI).- Arthroscopic MACI.- Particulated/Minced Cartilage.- Osteotomy for Tibiofemoral[...]

Fields of interest

Surgical Orthopedics; Sports Medicine; Rheumatology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-0426-2

Hardcover

2014. XIV, 253 p. 347 illus., 298 illus. in color. ISBN 978-1-4614-0426-2

Due: October 28, 2013

M.A. Cuesta, Vrije Universiteit Medical Centre, Amsterdam, Netherlands; H.J. Bonjer, VU University Medical Center Amsterdam, Amsterdam, Netherlands (Eds.)

Case Studies of Postoperative Complications after Digestive Surgery

The proposal for this book is to offer a systematic description of the most frequent complications occurring in the three parts of the digestive tract: HPB, Upper GI and colorectal tracts. Every complication, from esophageal to the rectum, is described systematically through two or three practical cases as has been treated by actual surgical practices of authors serving as surgeon practitioners. Description of the case, presentation of indication for surgery, type of primary surgical intervention and complication is described textually but also and by means of clinical signs, laboratory tests, radiological studies (CT scans and schematic drawings) and other methods used for diagnosis[...]

Features

Case Studies of Postoperative Complications after Digestive Surgery offers a systematic description of the most frequent complications occurring in the GI, HPB and Colorectal tracts of the digestive system. Every complication, from esophageal to the rectum, is described systematically by means of practical cases. *Case Studies of Postoperative Complications after Digestive Surgery* [...]

Contents

1. Suspicion of an Anastomotic Problem after Esophageal Resection for Cancer.- 2. Cervical Leakage of an Oesophago-Gastric Conduit Anastomosis.- 3. Thoracic Duct Injury.- 4. Postoperative Hiatal Herniation after Esophageal Resection.- 5. Benign Stenosis of the Intrathoracic and Cervical Esophago-gastric Anastomosis after Esophagectomy.- 6. Recurrent Nerve Lesion (Double) As a Consequence of Esophageal Resection for Cancer.- 7. Trachea-Gastric Conduit Fistula after Esophageal Resection.- 8. Herniation of the Stomach into the Thorax after Laparoscopic Repair of a Type 3 Para-Esophageal[...]

Fields of interest

Gastroenterology; Surgery; Abdominal Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-319-01612-2

Hardcover

2014. XVI, 556 p. 398 illus., 174 illus. in color. ISBN 978-3-319-01612-2

Due: October 31, 2013

S.D. Rampertab, UMDNJ-Robert Wood Johnson, New Brunswick, USA; G.E. Mullin, Johns Hopkins University, Baltimore, USA (Eds.)

Celiac Disease

Celiac Disease is an authoritative text intended to educate healthcare practitioners, gastroenterologists, physicians and nutritionists about the diverse manifestations, complications and management of gluten-sensitive enteropathy. The seventeen-chapter text provides the latest research on pathophysiology, including animal models, immunopathogenesis, genetics and the intestinal microflora. The book also features chapters on diagnosis, monitoring, complications and nutritional management, including therapies on the horizon. The text concludes with appendices that provide educational tools for symptom monitoring and dietary guidance. Written by specialists in their respective[...]

Features

Celiac Disease is an authoritative text intended to educate healthcare practitioners, gastroenterologists, physicians and nutritionists about the diverse manifestations, complications and management of gluten-sensitive enteropathy. The seventeen-chapter text provides the latest research on pathophysiology, including animal models, immunopathogenesis, genetics and the intestinal microflora. The book [...]

Contents

Introduction.- Definition of Celiac Disease and Gluten Sensitivity.- Epidemiology of Celiac Disease.- The Pathophysiology of Celiac Disease.- Immunogenetics of Celiac Disease.- Using Animal Models of Celiac Disease to Understand the Role of MHC II.- Role of Gut Microbes in Celiac Disease Risk and Pathogenesis.- Presentation of Celiac Disease in Children and Adults.- Diagnosis of Celiac Disease.- Nutrition in Celiac Disease.- Dietary Supplements in Celiac Disease.- Monitoring and Follow-up of Patients with Celiac Disease.- Special Considerations in Children and Young Adults with Celiac[...]

Fields of interest

Gastroenterology; Internal Medicine; Primary Care Medicine; Clinical Nutrition

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8559-9

Hardcover

2014. X, 320 p. 16 illus., 10 illus. in color. (Clinical Gastroenterology)
ISBN 978-1-4614-8559-9

Due: October 31, 2013

C.R. Lacruz, University General Hospital, Madrid, Spain; J. Saénz de Santamaría, University Hospital, Badajoz, Spain; R.H. Bardales, Outpatient Pathology Associates, Sacramento, USA

Central Nervous System Intraoperative Cytopathology

The Essentials in Cytopathology book series fulfills the need for an easy-to-use and authoritative synopsis of site specific topics in cytopathology. These guide books fit into the lab coat pocket and are ideal for portability and quick reference. Each volume is heavily illustrated with a full color art program, while the text follows a user-friendly outline format. Central Nervous System Intraoperative Cytopathology covers the full spectrum of benign and malignant conditions of the CNS with emphasis on common disorders. The volume is heavily illustrated and contains useful algorithms that guide the reader through the differential diagnosis of common and uncommon entities[...]

Features

The Essentials in Cytopathology book series fulfills the need for an easy-to-use and authoritative synopsis of site specific topics in cytopathology. These guide books fit into the lab coat pocket and are ideal for portability and quick reference. Each volume is heavily illustrated with a full color art program, while the text follows a user-friendly outline format. Central Nervous System [...]

Contents

Introduction to CNS Intraoperative Cytopathology.- Clinical, Radiologic, and Technical Considerations.- Algorithmic Approach to CNS Intraoperative Cytopathology.- Normal Brain and Gliosis.- Astrocytic Tumors.- Oligodendroglial Tumors.- Ependymal Tumors.- Choroid Plexus Tumors.- Neuronal and Glioneuronal Tumors.- Embryonal Tumors.- Meningeal Tumors.- CNS Germ Cell Tumors.- Tumors of the Hematopoietic System.- Tumors of the Cranial and Spinal Nerves.- Tumors of the Pineal Region.- Tumors of the Sellar Region.- Metastatic Tumors.- Benign Cystic Lesions.- Non-Neoplastic Disorders.- Extradural[...]

Fields of interest

Pathology; Laboratory Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8428-8

Softcover

2014. XIV, 276 p. 129 illus. in color. (Essentials in Cytopathology, Vol. 13)
ISBN 978-1-4614-8428-8

**usually dispatched within 3 to 5 business days
September 30, 2013**

N. Chiaravallotti, Kessler Medical Rehabilitation, West Orange, USA (Ed.)

Changes in the Brain

Impact on Daily Life

Contents

Measurement: the quantification of changes in daily life.- Normal aging.- Alzheimer's disease.- Parkinson's disease.- Traumatic brain injury (possibly two chapters: mild and severe).- Multiple sclerosis.- Stroke.- Cancer.- Epilepsy.- Public policy: Impact on individuals with brain injury and illness.- Where do we go from here?

Fields of interest

Neurology; Neuropsychology; Health Administration; Clinical Psychology; General Practice / Family Medicine

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-0-387-98187-1

Hardcover

2014. Approx. 200 p.
ISBN 978-0-387-98187-1

Due: October 28, 2013

C.E.H. Scott-Conner, University of Iowa, Iowa City, USA (Ed.)

Chassin's Operative Strategy in General Surgery

An Expositive Atlas, Fourth Edition

The Fourth Edition of Chassin's Operative Strategy in General Surgery: An Expositive Atlas is designed to expand this comprehensive and unique general surgery reference while remaining true to the special character of the work. This unique text continues to provide an emphasis on surgical strategy that is unmatched by other textbooks of surgical technique. It continues to comprehensively cover all non-vascular operations commonly performed by general surgeons. As always, Chassin's explains the conceptual basis of each operation, outlines strategies to avoid common pitfalls, and carefully describes and beautifully illustrates the technical steps of each operation. The Fourth Edition[...]

Features

The Fourth Edition of Chassin's Operative Strategy in General Surgery: An Expositive Atlas is designed to expand this comprehensive and unique general surgery reference while remaining true to the special character of the work. This unique text continues to provide an emphasis on surgical strategy that is unmatched by other textbooks of surgical technique. It continues to comprehensively cover all [...]

Contents

Concepts and Strategies of Surgery.- Mechanical Basics of Operative Technique.- Incision, Exposure, Closure.- Dissecting and Suturing.- Surgical Stapling: Principles and Precautions.- Control of Bleeding.- Management of the Contaminated Operation.- Damage Control Laparotomy.- Mechanical Basics of Laparoscopic Surgery.- Rational Use of Drains.- Illustrated Glossary of Surgical Instruments.- The Operative Note.- Concepts in Esophageal Surgery.- Esophagectomy: Right Thoracotomy and Laparotomy.- Esophagogastrectomy: Left Thoracoabdominal Approach.- Transhiatal Esophagectomy.- Minimally[...]

Fields of interest

General Surgery; Colorectal Surgery; Minimally Invasive Surgery; Abdominal Surgery

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-1392-9

Hardcover

2014. XXX, 1256 p. 1191 illus., 2 illus. in color. ISBN 978-1-4614-1392-9

Due: November 30, 2013

P.A. Banaszkiwicz, Queen Elizabeth Hospital, Gateshead, United Kingdom; D.F. Kader, Queen Elizabeth Hospital, Gateshead, United Kingdom (Eds.)

Classic Papers in Orthopaedics

Orthopedic experts in their field have carefully chosen what they consider to be the key papers in their respective domains. Every paper is carefully described and evaluated by its strengths, weaknesses and its contribution to the field. Papers have been chosen by number of citations, academic importance, articles that have changed our whole way of thinking or that have simply stood the test of time.

Features

The book categorizes articles by field of research to include studies on the hip and knee arthroplasty, sports medicine and arthroscopy, paediatric orthopaedics foot and ankle, spine, hand and upper extremity, trauma/fracture healing, oncology and basic science articles (stem cell, bone tissue, ligament, tendon tissue and implants). Classic Papers in Orthopaedics assembles a [...]

Fields of interest

Orthopedics; Surgical Orthopedics; Conservative Orthopedics; Sports Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5450-1

Hardcover

2014. XII, 450 p. 20 illus., 1 illus. in color. ISBN 978-1-4471-5450-1

Due: November 30, 2013

T.V. Nguyen, University of New Mexico, Albuquerque, USA; J.W. Wong, University of California Davis, Sacramento, USA; J. Koo, University of California, San Francisco, San Francisco, USA

Clinical Cases in Psychocutaneous Disease

Clinical cases are a key component in modern medical education, assisting the trainee or recertifying clinician to work through unusual cases using best practice techniques. Dermatology is an important discipline in this regard since it is a highly visual subject requiring the reader to describe often very subtle differences in the presentation of patients and define accurately the diagnostic and management criteria to base their clinical decision-making on. This is particularly the case in the field of psychocutaneous disease where scientific advances are shedding new light on the understanding and treatment of long-recognized conditions located at the interface of dermatology and[...]

Features

This concise practical guide has been designed to facilitate the clinical decision-making process in the management of psychocutaneous disease by reviewing a variety of cases and defining the various diagnostic and management decisions open to practitioners. Clinical cases are a key component in modern medical education, assisting the trainee or recertifying practitioner to work through [...]

Contents

Preface.- Part I: Psychologically Challenging Patient Encounters in Dermatology.- The "long list" patient.- The "Will you be my PCP?" patient.- The patient with unusual demands.- The fearful patient.- The patient with a chronic disease.- The angry patient.- The distrustful and poorly compliant patient.- Part II: Psychocutaneous Disease in Geriatric Patients.- Delusions of parasitosis in geriatric patients.- Neurotic excoriations and the elderly.- The geriatric patient with neurodermatitis.- Part III: Cases of Psychocutaneous Disease.- Formication without delusions.- The slightly[...]

Fields of interest

Dermatology; Psychiatry

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4471-4311-6

Softcover

2014. XVII, 124 p. 6 illus. in color. (Clinical Cases in Dermatology)

ISBN 978-1-4471-4311-6

Due: October 31, 2013

Z.P. Nagy, A.C. Varghese, A. Agarwal, Cleveland Clinic, Cleveland, USA (Eds.)

Clinical Embryology

A Practical Guide

This concise, truncated version of Nagy, Varghese and Agarwal's Practical Manual of In Vitro Fertilization is comprised of select clinical chapters for a portable, affordable and up-to-date resource. Clinical Embryology covers a variety of topics, including: - Sperm processing methods - Embryo culture methods - Insemination procedures - Embryo evaluation - Genetic testing of embryos - Cryopreservation - Embryo transfer Also included are two new chapters on predicting embryo developmental potential and viability using automated time-lapse analysis (Eeva) and predicting embryo implantation potential using Embryoscope.™ Practical for both clinicians and researchers alike, Clinical[...]

Features

This concise, truncated version of Nagy, Varghese and Agarwal's Practical Manual of In Vitro Fertilization is comprised of select clinical chapters for a portable, affordable and up-to-date resource. Clinical Embryology covers a variety of topics, including: - Sperm processing methods - Embryo culture methods - Insemination procedures - Embryo evaluation - [...]

Contents

Journey of Human Gametes In Vitro: 1978 to 2010.- Part I: Sperm Processing Methods.- Sperm Processing for IVF.- PESA/TESE/TESE Sperm Processing.- Processing Sperm Samples in HIV-Positive Patients.- Part II: Embryo Culture Methods.- Culture Media in IVF: Decisions for the Laboratory.- Short Culture: Day 1/Day 2/Day 3 Embryo Culture.- Extended Culture in IVF.- In Vitro Maturation of Human Oocytes.- In Vivo Embryo Culture Device.- Microfluidics for Gamete Manipulation and Embryo Culture.- Part III: Insemination Procedures.- Intrauterine Insemination.- Conventional IVF Insemination.- Oocyte[...]

Fields of interest

Reproductive Medicine; Obstetrics / Perinatology; Gynecology; Urology / Andrology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8375-5

Softcover

Contains selected chapters from Practical Manual of In Vitro Fertilization

2013. X, 250 p.

ISBN 978-1-4614-8375-5

Due: November 30, 2013

A.D. Singh, Cole Eye Institute, Cleveland, USA; B. Damato, Royal Liverpool University Hospital, Liverpool, United Kingdom (Eds.)

Clinical Ophthalmic Oncology

Basic Principles and Diagnostic Techniques

Written by internationally renowned experts, Clinical Ophthalmic Oncology provides practical guidance and advice on the diagnosis and management of the complete range of ocular cancers. The book supplies all of the state-of-the-art knowledge required in order to identify these cancers early and to treat them as effectively as possible. Using the information provided, readers will be able to provide effective patient care using the latest knowledge on all aspects of ophthalmic oncology, to verify diagnostic conclusions based on comparison with numerous full-color clinical photographs, and to locate required information quickly owing to the clinically focused and user-friendly format.[...]

Features

Written by internationally renowned experts, Clinical Ophthalmic Oncology provides practical guidance and advice on the diagnosis and management of the complete range of ocular cancers. The book supplies all of the state-of-the-art knowledge required in order to identify these cancers early and to treat them as effectively as possible. Using the information provided, readers will be able [...]

Contents

Cancer Epidemiology.- Etiology of Cancer.- Cancer Pathology.- Cancer Angiogenesis.- Cancer Immunology.- Cancer Genetics.- Cancer Staging Systems.- Principles of Cryotherapy.- Principles of Laser Therapy.- Principles of Radiation Therapy.- Ocular Complications of Radiotherapy.- Principles and Complications of Chemotherapy.- Principles and Complications of Targeted Therapy.- Counseling Patients with Cancer.- Tumor Associated Cataract.- Tumor Associated Glaucoma.- Graft vs Host Disease.- Diagnostic Techniques: Angiography.- OCT and Autofluorescence.- Diagnostic Techniques:[...]

Fields of interest

Ophthalmology; Oncology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-40488-7

Hardcover

Originally published by Saunders, Philadelphia, 2007 2014. VIII, 235 p. 126 illus., 112 illus. in color.

ISBN 978-3-642-40488-7

Due: October 31, 2013

J.D. Perry, A.D. Singh, Cole Eye Institute, Cleveland, USA (Eds.)

Clinical Ophthalmic Oncology

Orbital Tumors

Written by internationally renowned experts, Clinical Ophthalmic Oncology provides practical guidance and advice on the diagnosis and management of the complete range of ocular cancers. The book supplies all of the state-of-the-art knowledge required in order to identify these cancers early and to treat them as effectively as possible. Using the information provided, readers will be able to provide effective patient care using the latest knowledge on all aspects of ophthalmic oncology, to verify diagnostic conclusions based on comparison with numerous full-color clinical photographs, and to locate required information quickly owing to the clinically focused and user-friendly format.[...]

Features

Written by internationally renowned experts, Clinical Ophthalmic Oncology provides practical guidance and advice on the diagnosis and management of the complete range of ocular cancers. The book supplies all of the state-of-the-art knowledge required in order to identify these cancers early and to treat them as effectively as possible. Using the information provided, readers will be able [...]

Contents

Examination Techniques.- Classification of Orbital Tumors.- Differential Diagnosis in Child.- Differential Diagnosis in Adults.- Imaging Techniques.- Non-Specific Orbital Inflammation.- Orbital Vascular Tumors.- Benign Orbital Tumors.- Optic Nerve Tumors.- Lacrimal Gland Tumors.- Lacrimal Sac Tumors.- Orbital and Adnexal Lymphoma.- Malignant Orbital Tumors.- Orbital Rhabdomyosarcoma.- Enucleation for Ocular Tumors.- Orbital Exenteration.- Principles of Orbital Surgery.- Orbital Implants.- Ocular Prosthesis.

Fields of interest

Ophthalmology; Oncology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-40491-7

Hardcover

Originally published by Saunders, Philadelphia, 2007 2014. CCXV, 20 p. 116 illus., 89 illus. in color.

ISBN 978-3-642-40491-7

Due: November 30, 2013

A.D. Singh, Cole Eye Institute, Cleveland, USA; B. Damato, Royal Liverpool University Hospital, Liverpool, United Kingdom (Eds.)

Clinical Ophthalmic Oncology

Retinal Tumors

Written by internationally renowned experts, Clinical Ophthalmic Oncology provides practical guidance and advice on the diagnosis and management of the complete range of ocular cancers. The book supplies all of the state-of-the-art knowledge required in order to identify these cancers early and to treat them as effectively as possible. Using the information provided, readers will be able to provide effective patient care using the latest knowledge on all aspects of ophthalmic oncology, to verify diagnostic conclusions based on comparison with numerous full-color clinical photographs, and to locate required information quickly owing to the clinically focused and user-friendly format.[...]

Features

Written by internationally renowned experts, Clinical Ophthalmic Oncology provides practical guidance and advice on the diagnosis and management of the complete range of ocular cancers. The book supplies all of the state-of-the-art knowledge required in order to identify these cancers early and to treat them as effectively as possible. Using the information provided, readers will be able [...]

Contents

Retinal Tumors: Classification.- Coats Disease.- Retinal Vascular Tumors.- Astrocytic Tumors.- Tumors of the Retinal Pigment Epithelium.- Tumors of the Ciliary Pigment Epithelium.- Lymphoma of the Retina and CNS.- Retinal Metastatic Tumors.- Neuro-Oculo-Cutaneous Syndromes.- Ocular Paraneoplastic Disease.

Fields of interest

Ophthalmology; Oncology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-39488-1

Hardcover

Originally published by Saunders, Philadelphia, PA, 2007

2014. IX, 148 p. 63 illus., 52 illus. in color.

ISBN 978-3-642-39488-1

Due: September 30, 2013

N. Homedes, University of Texas at the Paso, El Paso, USA; A. Ugalde, University of Texas at Austin, Austin, USA (Eds.)

Clinical Trials in Latin America: Where Ethics and Business Clash

The outsourcing of clinical trials to Latin America by the transnational innovative pharmaceutical industry began about twenty years ago. Using archival information and field work in Argentina, Brazil, Costa Rica, Mexico and Peru, the authors discuss the regulatory contexts and the ethical dimensions of human experimentation in the region. More than 80% of all clinical trials in the region take place in these countries, and the European Medicines Agency has defined them as priority countries in Latin America. The authors raise questions about the quality of data obtained from the trials and the violation of human rights during their implementation. Their findings are presented in this[...]

Features

The outsourcing of clinical trials to Latin America by the transnational innovative pharmaceutical industry began about twenty years ago. Using archival information and field work in Argentina, Brazil, Costa Rica, Mexico and Peru, the authors discuss the regulatory contexts and the ethical dimensions of human experimentation in the region. More than 80% of all clinical trials in the region take place in these [...]

Contents

Introduction; Núria Homedes and Antonio Ugalde.- A Review and Critique of International Ethical Principles; Núria Homedes and Antonio Ugalde.- Globalization and Clinical Research in Latin America; Núria Homedes and Antonio Ugalde.- The Regulatory Framework and Case Studies from Argentina; Antonio Ugalde and Núria Homedes.- Politics and Clinical Trials in the Province of Córdoba; Antonio Ugalde and Núria Homedes.- Brazil: The System for the Protection of Voluntary Participants in Research; Corina Bontempo D de Freitas, William Saad Hossne and Susie Dutra.- Progress and Challenges of[...]

Fields of interest

Theory of Medicine / Bioethics; Health Economics; Health Promotion and Disease Prevention; Ethics

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-3-319-01362-6

Hardcover

2014. XIV, 285 p. 8 illus. (Research Ethics Forum, Vol. 2)

ISBN 978-3-319-01362-6

Due: October 31, 2013

A.I. Holodny, Memorial Sloan-Kettering Cancer Center, New York, USA (Ed.)

Clinical fMRI and Diffusion Tractography

Paradigm Selection, Neurological Assessment, and Case-Based Analysis

Unlike most MRI procedures, functional MRI (fMRI) studies require interaction between the radiology professionals administering the test and the patient, whose neurological status must be assessed. Additionally, an appropriate paradigm must be selected based on the neurological assessment and prior MRI exams, the paradigm must be delivered to and successfully performed by the patient while undergoing the fMRI study, and there is analysis to be done on the fMRI data after the exam. Clinical fMRI and Diffusion Tractography presents extensive, case-based clinical information on all aspects of fMRI studies that radiologists need to follow to ensure optimal clinical output is achieved.[...]

Features

Unlike most MRI procedures, functional MRI (fMRI) studies require interaction between the radiology professionals administering the test and the patient, whose neurological status must be assessed. Additionally, an appropriate paradigm must be selected based on the neurological assessment and prior MRI exams, the paradigm must be delivered to and successfully performed by the patient while undergoing the fMRI [...]

Fields of interest

Imaging / Radiology; Neuroradiology; Diagnostic Radiology

Target groups

Popular/general

Type of publication

Professional book

More on www.springer.com/978-1-4614-0420-0

Hardcover

2014. 300 p. 1000 illus., 200 illus. in color.

ISBN 978-1-4614-0420-0

Due: November 29, 2013

W.R. Reinus, Temple University, Philadelphia, USA (Ed.)

Clinician's Guide to Diagnostic Imaging

This book is a concise guide to ordering radiology tests for diagnosis and treatment and provides best practice guidelines for patients whose management depends on a clinical question that is best approached through imaging. Organized primarily by organ system, it outlines considerations in selecting the most efficacious imaging studies based on the clinical history, laboratory values, and physical findings to arrive cost-effectively at a correct diagnosis. It also explores the current limitations of each imaging modality and presents evidence-based information to insure that patient safety considerations are observed when ordering potentially dangerous examinations. Clinician's Guide[...]

Features

This book is a concise guide to ordering radiology tests for diagnosis and treatment and provides best practice guidelines for patients whose management depends on a clinical question that is best approached through imaging. Organized primarily by organ system, it outlines considerations in selecting the most efficacious imaging studies based on the clinical history, laboratory values, and physical findings to [...]

Contents

Imaging Modalities and Contrast Agents.- Neurological Imaging.- Cardiothoracic Imaging.- Breast Imaging.- Abdominal Imaging.- Musculoskeletal Imaging.- Approach to Vascular Imaging.

Fields of interest

Imaging / Radiology; General Practice / Family Medicine; Internal Medicine; Primary Care Medicine; Pediatrics; Emergency Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8768-5

Softcover

2014. X, 160 p. 35 illus.
ISBN 978-1-4614-8768-5

Due: November 30, 2013

V.L. Patel, New York Academy of Medicine, New York, USA; D.R. Kaufman, Arizona State University, Scottsdale, USA; T. Cohen, University of Texas, Houston, USA (Eds.)

Cognitive Informatics in Health and Biomedicine

Case Studies on Critical Care, Complexity and Errors

Enormous advances in information technology have permeated essentially all facets of life in the past two decades. Formidable challenges remain in fostering tools that enhance productivity but are sensitive to work practices. Cognitive Informatics (CI) is the multidisciplinary study of cognition, information and computational sciences that investigates all facets of human computing including design and computer-mediated intelligent action, thus is strongly grounded in methods and theories from cognitive science. As an applied discipline, it has a close affiliation with human factors and human-computer interaction, and provides a framework for the analysis and modeling of complex human[...]

Features

This book is the first to address cognitive informatics (CI), a burgeoning discipline that cuts across several academic and professional disciplines. It contains examples drawn from the application of methods and theories from CI to challenges pertaining to the practice of critical care medicine and the management of life-threatening conditions. Cognitive Informatics in Health and Biomedicine: [...]

Contents

Foreword.- Preface.- Introduction.- Paradigm Shift in Conceptualizing Error.- Analysis of Error based on Laboratory Studies.- Team Decision Making and the Analysis of Error.- Influence of Training on Error Detection in Simulated Clinical Rounds.- Opportunistic Decision Making and Workflow Patterns.- Decision Making and Deviations from Protocol in Trauma.- Effect of Information Seeking Activities on Clinical Decision Making.- Investigating Communication Complexity and Errors: A Continuity of Care based Approach.- Bridging Gaps in Transitions of Care: Design and Evaluation of Hand-off[...]

Fields of interest

Health Informatics; Health Informatics; Intensive / Critical Care Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5489-1

Hardcover

2014. XIV, 506 p. 104 illus., 55 illus. in color. (Health Informatics)
ISBN 978-1-4471-5489-1

Due: November 30, 2013

M.A. Moyad

Complementary & Alternative Medicine for Prostate and Urologic Health

Complementary & Alternative Medicine (CAM) for Prostate/Urologic Health is designed to capture and clinically review the comprehensive database of clinical research articles that support and do not support the utilization of a variety of dietary supplements and other complementary medicines that physicians are exposed to in their daily practice. This is a critical distinction between this book and any other CAM Complementary & Alternative Medicine for Prostate and Urologic Health is designed to capture and clinically review the comprehensive database of clinical research articles that support and do not support the utilization of a variety of dietary supplements and other[...]

Features

Complementary & Alternative Medicine for Prostate and Urologic Health is designed to capture and clinically review the comprehensive database of clinical research articles that support and do not support the utilization of a variety of dietary supplements and other complementary medicines that physicians are exposed to in their daily practice. This is a critical distinction between this [...]

Contents

1. The Ideal Eight-Step Urologic Diet and Lifestyle Program: Heart Health = Urologic Health.- 2. BPH/LUTS: Heart Healthy = Prostate Health.- 3. Complementary and Alternative Medicine Interventions for BPH/LUTS.- 4. Complementary and Alternative Medicine Interventions for Male Infertility/Subfertility: First Do No Harm.- 5. Lifestyle Changes, Erectile Dysfunction, and Female Sexual Dysfunction: Heart Health=Sexual Health.- 6. Complementary and Alternative Medicine for Erectile Dysfunction, Testosterone Replacement Therapy, and Female Sexual Dysfunction.- 7. Complementary and Alternative[...]

Fields of interest

Gynecology; Endocrinology; Oncology; Primary Care Medicine; Urology / Andrology

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-1-4614-8491-2

Hardcover

2014. XVI, 265 p.
ISBN 978-1-4614-8491-2

Due: October 31, 2013

S.R. Steele, University of Washington, Olympia, USA; J.A. Maykel, University of Massachusetts Medical School, Worcester, USA; B.J. Champagne, Case Western Reserve University, Cleveland, USA; G.R. Orangio, LSU School of Medicine, Atlanta, USA (Eds.)

Complexities in Colorectal Surgery

Decision-Making and Management

Complexities in Colorectal Surgery: Decision-Making and Management provides a unique, modern, practical guide that covers the strategic evaluation, specific approaches, and detailed management techniques utilized by expert Colorectal Surgeons caring for patients with complex problems—whether they result from underlying colorectal disease or from complications arising from previous surgical therapy. The text is formatted as both a “how-to” manual as well as an algorithm-based guide allowing the reader to understand the thought process behind the proposed treatment strategies. By making use of evidence-based recommendations, each chapter will include not only diagnostic and therapeutic[...]

Features

Complexities in Colorectal Surgery: Decision-Making and Management provides a unique, modern, practical guide that covers the strategic evaluation, specific approaches, and detailed management techniques utilized by expert Colorectal Surgeons caring for patients with complex problems—whether they result from underlying colorectal disease or from complications arising from previous surgical therapy. [...]

Contents

Section I. Preoperative.- 1. The First Encounter.- 2. Perioperative Risk Assessment.- 3. Perioperative Nutrition Support in Colorectal Surgery.- Section II. The Abdomen.- 4. Diverticulitis: Beyond the Basics.- 5. Carcinomatosis: Cytoreduction and Heated Intra-peritoneal Chemotherapy (HIPEC) vs. Palliation.- 6. Metastatic colorectal cancer.- 7. Enterocutaneous fistulas.- 8. Enteroatmospheric Fistula.- 9. Technical Tips for Difficult Stomas.- 10. Continent ileostomies.- Section III. The Pelvis.- 11. Rectal prolapse: current evaluation, management and treatment of a historically[...]

Fields of interest

Colorectal Surgery; Surgical Oncology; General Surgery

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-9021-0

Hardcover

2014. XX, 652 p. 348 illus., 284 illus. in color. With online files/update.

ISBN 978-1-4614-9021-0

Due: November 30, 2013

E.A.M. Frost (Ed.)

Comprehensive Guide to Education in Anesthesia

Comprehensive Guide to Education in Anesthesia is the first single-source volume on the current practice of teaching and learning in this specialty which has long been at the forefront of innovation in medical education. It is edited by one of the great anesthesiology educators in the United States and brings together contributions from leading educators from across the US covering all aspects of anesthesiology education, from medical school and post-graduate training to board certification and continuing medical education. Topics include best educational practices, closed claim analysis, giving feedback to superiors, residency and fellowship training and requirements, maintenance of[...]

Features

Comprehensive Guide to Education in Anesthesia is the first single-source volume on the current practice of teaching and learning in this specialty which has long been at the forefront of innovation in medical education. It is edited by one of the great anesthesiology educators in the United States and brings together contributions from leading educators from across the US covering all aspects of [...]

Contents

1. Introduction and Historical Accounting.- 2. Teaching by Example: Best Practices for Education in the Operating Room and the Lecture Hall.- 3. Learning From Incident Reporting And Closed Claims Analyses.- 4. Residency Training.- 5. Requirements for a Fellowship.- 6. Teaching Clinical Science to Medical Students.- 7. Mentorship in Anesthesia.- 8. The Process of Board Certification.- 9. Maintenance of Certification in Anesthesiology Program.- 10. Evaluation of Anesthesiology Residents.- 11. Giving Feedback to Superiors-Attending Evaluation.- 12. The Place For Simulation Teaching.- 13.[...]

Fields of interest

Anesthesiology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8953-5

Softcover

2014. X, 410 p. 21 illus., 16 illus. in color.

ISBN 978-1-4614-8953-5

Due: November 30, 2013

J.M. Ryan, St George's University of London, London, United Kingdom; A.P.C.C. Hopperus Burna, C.W. Beadling, A. Mozumder, D.M. Nott, N.M. Rich, USUHS, Bethesda, USA; W. Henny, D. MacGarty, Royal Surrey County Hospital, Guildford, United Kingdom (Eds.)

Conflict and Catastrophe Medicine

A Practical Guide

The first edition of conflict and catastrophe was produced in 2002 and a second, successful edition, followed in 2009. The decision to produce these works sprung from painful problems experienced by colleagues and authors themselves during many humanitarian and related deployments. The guide for both editions was to provide, in one volume, an entry level text covering all aspects of deployment, with an emphasis on medicine and healthcare in these environments. This third revised, expanded and updated edition of Conflict and Catastrophe Medicine: A Practical Guide follows its successful predecessors in providing a framework for use by health professionals visiting a resource[...]

Features

Conflict and Catastrophe Medicine: A Practical Guide 3e follows its successful predecessors in providing a framework for use by health professionals visiting a resource-constrained environment. Aimed at health professionals, Conflict and Catastrophe Medicine: A Practical Guide 3e encompasses problems brought about by local conflict or natural disasters. It covers [...]

Contents

Section 1: The Disaster and Conflict Environment.- 1. New Paradigms: The World in the 21st Century-European Perspective.- 2. New Paradigms: The World in the 21st Century- A US Perspective.- 3. The Spectrum of Conflict.- 4. The Players- Humanitarian Organisations and their Coordination in Humanitarian Assistance.- 5. The Players- Private Military and Security Companies (PMSCs) in the Humanitarian Space.- 6. Medical Ethics in Disasters.- 7. Medicine at High Altitudes.- 8. Medical Support of Special Operations.- 9. Terrorism 101.- Section 2: Disasters, Public Health, and Populations.- 10.[...]

Fields of interest

Emergency Medicine; Traumatic Surgery; Surgical Orthopedics; Intensive / Critical Care Medicine; Nursing

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4471-2926-4

Hardcover

2014. XIV, 885 p. 99 illus., 90 illus. in color.

ISBN 978-1-4471-2926-4

Due: October 31, 2013

G. Hartofilakidis, National and Kapodistrian University, Athens, Greece; G.C. Babis, National and Kapodistrian University, Dionysos, Greece; K. Lampropoulou-Adamidou, National and Kapodistrian University, Athens, Greece

Congenital Hip Disease in Adults

Congenital hip disease (CHD) is the main cause of secondary osteoarthritis (OA) of the hip in young adults, which accounts for almost 40% of all cases of hip OA. Total hip replacement (THR) performed using optimal techniques can achieve a radical improvement in the quality of life of adult patients. This book offers in-depth coverage of all aspects of CHD in adults and its treatment. Relevant information is first provided on the basic anatomy of the hip and OA of the hip and on the classification, epidemiology, and natural history of CHD. The now limited role of femoral and pelvic osteotomies is carefully evaluated, and the use of THR is then considered in detail. Indications and [...]

Features

Congenital hip disease (CHD) is the main cause of secondary osteoarthritis (OA) of the hip in young adults, which accounts for almost 40% of all cases of hip OA. Total hip replacement (THR) performed using optimal techniques can achieve a radical improvement in the quality of life of adult patients. This book offers in-depth coverage of all aspects of CHD in adults and its treatment. Relevant information is [...]

Contents

1 The Hip: Basic Anatomy.- 2 Osteoarthritis of the Hip.- 3 Congenital Hip Disease: General Aspects, Terminology and Classification.- 4 Epidemiology, Demographics and Natural History.- 5 Treatment Options except Total Hip Replacement (THR): Conservative management and Osteotomies.- 6 Total Hip Replacement (THR): Indications and Preoperative Assessment.- 7 Technical Considerations.- 8 Complications and Results.- 9 Presentation of Difficult Cases.- 10 Timing for Revision.- 11 Quality of Life after Total Hip Replacement.- 12 Conclusive Messages.

Fields of interest

Orthopedics; Surgical Orthopedics; Surgery; Rheumatology

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-88-470-5491-2

Hardcover

2014. XI, 140 p. 182 illus., 1 illus. in color.
ISBN 978-88-470-5491-2

Due: November 30, 2013

K. Regmi, University of East London, London, United Kingdom (Ed.)

Decentralizing Health Services

A Global Perspective

Decentralizing Health ServicesA Global Perspective Krishna Regmi, editor Current economic, demographic, and environmental shifts are presenting major challenges to health care systems around the world. In response, decentralization--the transfer of control from central to local authorities--is emerging as a successful means of meeting these challenges and reducing inequities of care. But as with health care itself, one size does not fit all, and care systems must be responsive to global reality as well as local demand. Decentralizing Health Services explores a variety of applications of decentralization to health care delivery in both the developing and developed worlds. Outfitted[...]

Features

Decentralizing Health ServicesA Global Perspective Krishna Regmi, editor Current economic, demographic, and environmental shifts are presenting major challenges to health care systems around the world. In response, decentralization--the transfer of control from central to local authorities--is emerging as a successful means of meeting these challenges and reducing [...]

Contents

Health Service Decentralization: An Overview.- Health systems and decentralization.-Decentralisation and public health.-Decentralization and good governance.-Fiscal decentralization of health services.-Decentralised Planning Processes.-Measuring health services – problems and potentials.-Impact of decentralization in health – existing evidences.-Participation in the new Public Health Landscape.-Public-Private Partnerships as Decentralisation Strategy in Health Sector.-Gender analysis and use of intersectionality in health.-Decentralization - Challenges and Global Issues of the 21st Century.

Fields of interest

Public Health; Health Administration; Social Policy

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-9070-8

Hardcover

2014. X, 240 p. 23 illus., 4 illus. in color.
ISBN 978-1-4614-9070-8

Due: October 31, 2013

C. Cockerell, UT Southwestern Medical Center, Dallas, USA; M.C. Mihm Jr., Brigham and Women's Hospital, Boston, USA; B.J. Hall, University of Texas Southwestern, Dallas, USA; C. Chisholm, Central Texas Pathology Laboratory, Wako, USA; C. Jessup, Tufts Medical Center, Boston, USA; M.C. Merola, Brigham and Women's Hospital, Boston, USA

Dermatopathology

Clinicopathological Correlations

Dermatopathology is a specialized branch of pathology in which there has been great progress as new techniques have become available to evaluate the pathology of the skin. Many of the advances in our knowledge and understanding of the skin and the diseases that affect it have been made by people with experience of both diagnostic pathology and clinical dermatology. With significant numbers of large textbooks available, there is a need to provide practical clinical information and concise criteria for pathologic diagnosis for pathologists and dermatologists looking for up-to-date diagnostic and management options.

Features

With significant progress as new techniques to evaluate the pathology of the skin, this book satisfies the need to provide practical clinical information and concise criteria for pathologic diagnosis for pathologists and dermatologists looking for an up-to-date resource. This superb visual reference provides detailed instruction of the experience of both diagnostic pathology and clinical [...]

Contents

Interface (Lichenoid) Dermatitis.- Spongiotic Disorders.- Psoriasiform Dermatoses.- Vesiculobullous Diseases.- Large Vessel Vasculitis.- Connective Tissue Disorders.- Panniculitides.- Metabolic disorders.- Mucinoses.- Adnexal Diseases.- Alopecias.- Granulomatous Dermatitis.- Epidermal Maturation Diseases.- Reactions to Drugs.- Bacterial Infections.- Fungal infections.- Viral infections.- Arthropod Reactions/Parasites/Other.- Pediatric inflammatory disorders.- Benign melanocytic skin lesions.- Non-melanoma skin tumors.- CystsEpithelial tumors.- Vascular anomalies.- Fibrohistiocytic[...]

Fields of interest

Dermatology; Pathology; Laboratory Medicine

Target groups

Professional/practitioner

Type of publication

Atlas

More on www.springer.com/978-1-4471-5447-1

Hardcover

2014. XIII, 470 p. 707 illus. in color.
ISBN 978-1-4471-5447-1

Due: November 30, 2013

P.J. Emans, Maastricht University Medical Center, Maastricht, Netherlands; L. Peterson (Eds.)

Developing Insights in Cartilage Repair

This comprehensive book discusses cartilage repair and all its aspects. These aspects vary from basic insights in cartilage biology and regeneration via MRI, to results of existing cartilage repair techniques and upcoming novel approaches. Fundamental cartilage biology is the topic covered within the first chapters of the book. These chapters not only provide an insight in healthy, damaged and regenerative cartilage but also describe developments in gene therapy and methods to enhance chondrogenesis of stemcells and prevent hypertrophic differentiation. There is a huge progress in the possibilities of MR imaging of both healthy, damaged and regenerative cartilage. These developments[...]

Features

This book reviews the current basic and clinical research into the mechanisms of cartilage injury and its management. It illustrates the considerable progress made in the search for solutions to cartilage related problems. Developing Insights in Cartilage Repair describes fundamental research and the use of biomaterials, bioreactors, and imaging as part of existing cartilage repair [...]

Contents

General Introduction.- Gene Therapy in articular cartilage repair.- Targeting inflammatory processes for optimization of cartilage homeostasis and repair techniques.- Osteoarthritis: molecular mechanisms and treatments.- Bioreactor Tissue Engineering for Cartilage Repair.- Biomaterials for osteochondral reconstruction.- Advanced magnetic resonance imaging of cartilage repair.- Osteochondral Allograft Transplantation: The Rationale and Basic Science.- Osteochondral Allograft Transplantation: Surgical Technique and Results.- The Genesis of Autologous Chondrocyte[...]

Fields of interest

Orthopedics; Sports Medicine; Surgical Orthopedics; Conservative Orthopedics

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5384-9

Hardcover

2014. XIV, 327 p. 74 illus., 65 illus. in color.
ISBN 978-1-4471-5384-9

Due: October 31, 2013

A.Q. Rana, Parkinson's Clinic of Eastern Toronto, Toronto, Canada; P. Hedera

Differential Diagnosis of Movement Disorders in Clinical Practice

This practical, pocket-sized, quick reference book is for those who need to manage movement disorder patients without the immediate help of a movement disorder neurologist. Only the most pertinent information is covered. This book is divided into five chapters covering the common phenomenology of movement disorders and includes tremor, dystonia, chorea, myoclonus, and tics. The etiology, pathophysiology, symptoms and treatments of these conditions are briefly reviewed, with the emphasis on the most common practical challenges encountered with these patients. Differential Diagnosis of Movement Disorders in Clinical Practice is aimed at postgraduate training in neurology, emergency care[...]

Features

This practical, pocket-sized, quick reference book is for those who need to manage movement disorder patients without the immediate help of a movement disorder neurologist. Only the most pertinent information is covered. This book is divided into five chapters covering the common phenomenology of movement disorders and includes tremor, dystonia, chorea, myoclonus, and tics. The etiology, [...]

Contents

Tremor.- Dystonia.- Chorea.- Tics.- Myoclonus.

Fields of interest

Neurology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-319-01606-1

Softcover

2014. IX, 112 p. 8 illus.
ISBN 978-3-319-01606-1

**usually dispatched within 3 to 5 business days
October 31, 2013**

S.V. Delgado, Cincinnati Children's Hospital, Cincinnati, USA; J.R. Strawn, University of Cincinnati, Cincinnati, USA

Difficult Psychiatric Consultations

An Integrated Approach

The fields of psychiatry and child psychiatry are encumbered by numerous and complex relational, medicolegal, and ethical dilemmas. This practical and clinically relevant book attempts to bring clarity to complex clinical presentations through the integration of psychodynamic, family systems, medicolegal, and ethical perspectives. It recognizes that the intimate and often difficult work with such complex cases requires consultation with multidimensional experts to address psychodynamic, family, ethical, and therapeutic issues. In the process, the author aims to foster the comfort and skill in dealing with these cases that is essential to the personal and professional growth of the[...]

Features

This innovative and important book describes a practical and clinically-relevant approach to the "difficult" psychiatric consultation. The authors systematically examine psychodynamic theories, family systems theories, and legal and ethical aspects of these consultations. Difficult Psychiatric Consultations: An Integrated Approach is unique compared to most psychiatric texts, in that it weaves [...]

Contents

Introduction.- Integrating theoretical paradigms.- The patient: Cognitive Functioning.- Temperament.- The Family.- Family System Theory.- Family System Concepts.- Genograms and Family Mapping.- The Family in child and adolescent psychiatry.- The treatment team: Evolution of the team.- Anatomy of the team.- Countertransference in the psychiatric consultant and the treatment team.- Ethics and Medisocial issues.- The culture.- A working definition of culture.- Culture Shock.- Mental Health across cultures.- Working with interpreters.- Culture in DSM IV and DSM V.- The clinical[...]

Fields of interest

Psychiatry; Psychology (general); Medicine (general); Psychotherapy

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-39551-2

Softcover

2014. XIV, 150 p. 13 illus., 3 illus. in color.
ISBN 978-3-642-39551-2

Due: November 30, 2013

O.S. Piankyh, Harvard Medical School, Newton, USA

Digital Image Quality in Medicine

Making a good diagnostic image is only the beginning; keeping it good and diagnostically sound is a much more difficult proposition, one that is often neglected or forgotten by clinical practitioners. With anything digital, the assumption of persistent original quality opens a Pandora's box of medical fiascos. Poorly selected image interpolation, thoughtlessly used compression, confused image enhancement options and the like can transform a good original into a useless clutter of pixels. This book is dedicated to learning better options. Intended for physicians, clinical practitioners and applications specialists, it provides a well-rounded introduction to meaningful diagnostic image[...]

Features

Making a good diagnostic image is only the beginning; keeping it good and diagnostically sound is a much more difficult proposition, one that is often neglected or forgotten by clinical practitioners. With anything digital, the assumption of persistent original quality opens a Pandora's box of medical fiascos. Poorly selected image interpolation, thoughtlessly used compression, confused image enhancement [..]

Contents

Introduction.- A Bit of History and Touch of Philosophy.- Image Interpolation.- Image Compression.- Image Enhancement.- Image Quality Online.- Image Display.- DICOM Calibration and GSDF.- Conclusion.

Fields of interest

Medicine (general); Imaging / Radiology; Health Informatics

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-319-01759-4

Softcover

2014. XIV, 119 p. 70 illus., 69 illus. in color. (Understanding Medical Informatics)
ISBN 978-3-319-01759-4

Due: October 31, 2013

K.F. Murray, Seattle Children's Hospital, Seattle, USA; S. Horslen, Seattle Children's Hospital, Seattle, USA (Eds.)

Diseases of the Liver in Children

Evaluation and Management

Diseases of the Liver in Children: Evaluation and Management provides a comprehensive, state-of-the-art review of pediatric liver disease, with a practical approach useful for the primary care provider or general gastroenterologist. With an emphasis on tables and images, this book serves as a reference for understanding basic hepatic processes and the significance of laboratory findings. It also discusses the state of the art of diagnosis and treatment of diseases that affect the pediatric liver. The text captures the key elements of treatment and monitoring important for the primary care provider partnering in the care of these patients with pediatric hepatologists. The current state[...]

Features

Diseases of the Liver in Children: Evaluation and Management provides a comprehensive, state-of-the-art review of pediatric liver disease, with a practical approach useful for the primary care provider or general gastroenterologist. With an emphasis on tables and images, this book serves as a reference for understanding basic hepatic processes and the significance of laboratory findings. It also [..]

Contents

Anatomy and Development of the Liver.- Normal functional biology of the liver.- Laboratory assessment of hepatic injury and function.- Mechanisms of Liver Injury.- Radiology of the liver in children.- Phenotypes of liver disease in infants, children and adolescents children.- Psychosocial, cognitive, and quality of life considerations in the child with liver disease and their family children.- Metabolic liver disease - Part 1.- Metabolic liver disease - Part 2.- Neonatal Hemochromatosis and Gestational Alloimmune Liver Disease.- Alagille Syndrome.- Idiopathic Neonatal Hepatitis and it's[...]

Fields of interest

Gastroenterology; Hepatology; Pediatrics

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-9004-3

Hardcover

2014. XIV, 635 p. 142 illus., 78 illus. in color.
ISBN 978-1-4614-9004-3

Due: November 30, 2013

A. Girach, ThromboGenics NV, Leuven, Belgium; M.D. Smet, Clinique de Montchoisi, Lausanne, Switzerland (Eds.)

Diseases of the Vitreo-Macular Interface

This clinically oriented book is the first to be devoted wholly to the diagnosis and treatment of vitreo-macular interface disease, characterized by a combination of vitreo-macular adhesion (VMA) and vitreo-macular traction (VMT) that is implicated in a variety of disorders. World-renowned experts in the field discuss epidemiologic, anatomic, and physiologic aspects, document the findings obtained with newer imaging techniques, such as spectral domain optical coherence tomography, describe the treatment options, and report on the results of preclinical and clinical trials, including some previously unpublished findings. This book will prove invaluable for ophthalmologists as we[...]

Features

Disease of the vitreo-macular interface is characterized by vitreo-macular adhesion (VMA), which can lead to abnormal forces on the retina termed vitreo-macular traction (VMT). This combination of VMA and VMT can itself cause impairment of vision and is implicated in a variety of disorders, including wet age-related macular degeneration, diabetic retinopathy, macular edema, and macular hole. Vitreo-macular [..]

Contents

Introduction: Unmet Medical Need.- Epidemiology of Vitreo-Macular Interface Diseases.- Anatomy and Physiology of the Vitreo-Macular Interface.- Pathophysiology of the Ageing Vitreous.- Pathophysiology of Vitreo-Macular Traction.- Imaging of the Vitreo-Macular Interface.- Clinical Manifestations of Vitreo-Macular Interface Disease.- Vitreo-Macular Traction and Age-Related Macular Degeneration.- Treatment Paradigm for Vitreo-Macular Interface Diseases.- Pharmacologic Vitreolysis - Experimental Evidence.- Pharmacologic Vitreolysis - Clinical Trial Data.- Pharmacologic Vitreolysis - New[...]

Fields of interest

Ophthalmology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-40033-9

Hardcover

2014. XIV, 130 p. 40 illus., 18 illus. in color. (Essentials in Ophthalmology)

ISBN 978-3-642-40033-9

Due: November 30, 2013

F. Lin, Mount Sinai School of Medicine, Oakland Gardens, USA; Z. Patel, Department of Otolaryngology/Head & Neck, Atlanta, USA (Eds.)

ENT Board Prep

High Yield Review for the Otolaryngology In-service and Board Exams

ENT Board Prep is a high-yield review that is an ideal study guide for the ENT in-service and board exams. While other review guides are low yield or more of a textbook, this is quick, concise, and easy-to-use, providing everything you need to know in a easy to digest format. ENT Board Prep offers review on sections such as cancer, ear, sinus, plastics, sleep, and laryngology, as well as case studies useful for studying for the oral board exams. Written and edited by leaders in the field, this book aims to serve future residents and fellows in those crucial weeks leading up to the ENT board exam.

Features

ENT Board Prep is a high-yield review that is an ideal study guide for the ENT in-service and board exams. While other review guides are low yield or more of a textbook, this is quick, concise, and easy-to-use, providing everything you need to know in a easy to digest format. ENT Board Prep offers review on sections such as cancer, ear, sinus, plastics, sleep, and laryngology, as well [...]

Contents

Part I. Pediatrics.- 1. Embryology.- 2. General Pediatric Otolaryngology.- 3. Congenital Syndromes.- 4. Pediatric Airway.- 5. Cochlear Implants and Pediatric Otology.- Part II. Rhinology/Allergy.- 6. Rhinology.- 7. Allergy and Immunology.- 8. Systemic, Infections, and Inflammatory Diseases.- Part III. General.- 9. Sleep Disordered Breathing and Obstructive Sleep Apnea.- 10. Fluids, Hemostasis, Nutrition, and Pulmonary Physiology.- 11. Therapeutics: Pharmacology, Chemotherapy, and Radiation Oncology.- 12. Head and Neck Pathology.- Part IV. Otology.- 13. Otolitic and Neurologic[...]

Fields of interest

Otorhinolaryngology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8353-3

Softcover

2014. XXVI, 330 p. 83 illus., 73 illus. in color.
ISBN 978-1-4614-8353-3

Due: October 31, 2013

L. Loriaux, Oregon Health Sciences University, Portland, USA (Ed.)

Endocrine Emergencies

Recognition and Treatment

Endocrine Emergencies: Recognition and Treatment offers a state-of-the-art update on the management of endocrine, diabetic, and metabolic emergencies. Developed by renowned experts, this comprehensive and easy to read title brings the field fully up to date, setting a high standard for diagnosis and treatment in each category. All chapters begin with a summary that presents, in concentrated form, what the physician needs to know to begin the evaluation and emergency treatment of the known endocrine emergencies. This is followed by an extended discussion of the pathophysiology that can be read after initial treatment has begun. Covering such areas as hypoglycemia, acute adrenal[...]

Features

Endocrine Emergencies: Recognition and Treatment offers a state-of-the-art update on the management of endocrine, diabetic, and metabolic emergencies.

Developed by renowned experts, this comprehensive and easy to read title brings the field fully up to date, setting a high standard for diagnosis and treatment in each category. All chapters begin with a summary that presents, in concentrated form, [...]

Fields of interest

Endocrinology; Internal Medicine; Cell Biology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-62703-696-2

Hardcover

2014. XII, 286 p. 50 illus., 25 illus. in color. (Contemporary Endocrinology, Vol. 74)
ISBN 978-1-62703-696-2

Due: October 31, 2013

F. Bandeira, H. Gharib, A. Golbert, Federal Foundation and School, Porto Alegre, Brazil; L. Griz, M. Faria (Eds.)

Endocrinology and Diabetes

A Problem-Oriented Approach

Endocrinology, and diabetes care in particular, is a dynamic field where clinicians must translate new evidence into clinical practice at a rapid pace. Designed in an engaging, case-based format, Endocrinology and Diabetes: A Problem Oriented Approach offers a wide range of thought-provoking case studies that reflect contemporary, challenging, hands-on clinical care. Further, by providing a list of specific clinical problems, this format offers the reader a more convenient and pointed way to solve precise clinical problems in a timely manner. Developed by a renowned, international group of experts, this comprehensive title covers the most common clinical problems in endocrinology[...]

Features

Endocrinology, and diabetes care in particular, is a dynamic field where clinicians must translate new evidence into clinical practice at a rapid pace. Designed in an engaging, case-based format, Endocrinology and Diabetes: A Problem Oriented Approach offers a wide range of thought-provoking case studies that reflect contemporary, challenging, hands-on clinical care. Further, by providing a list of [...]

Contents

Genetic testing in endocrinology.- Thyrotoxicosis.- Hypothyroidism.- Thyroid nodules and cancer.- Sellar mass.- Hyperprolactinemia.- Acromegaly.- hypopituitarism.- Cushing's syndrome.- Adrenal failure.- Adrenal incidentaloma.- Hirsutism and virilization.- Menopause.- Male hypogonadism.- Short stature.- Delayed puberty.- Precocious puberty.- Hypercalcemia.- Hypocalcemia.- Vitamin D deficiency.- Osteoporosis.- Metabolic bone diseases other than osteoporosis.- Classification and laboratory Diagnosis.- Oral therapy of type 2 diabetes.- GLP-1 receptor agonists in the treatment of type 2[...]

Fields of interest

Endocrinology; Internal Medicine; General Practice / Family Medicine; Cardiology; Surgery

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8683-1

Hardcover

2014. XVIII, 1106 p. 78 illus., 52 illus. in color.
ISBN 978-1-4614-8683-1

Due: October 31, 2013

G. Galloro, University of Naples Federico II, Napoli, Italy (Ed.)

Endoscopic Follow-up of Digestive Anastomosis

Owing to the alterations in visceral anatomy, many endoscopists, and especially trainees, experience difficulties when performing endoscopic surveys or procedures in patients who have previously undergone surgery to the digestive tract. In this richly illustrated book, an expert in the field provides a detailed overview of endoscopic follow-up of gastrointestinal (esophageal, gastric, and colorectal) anastomosis. Both normal appearances and pathological conditions involving complications are fully covered. The methodology, timing, protocols, and role of diagnostic endoscopy are first discussed. Endoscopic treatments for the resolution of different clinical problems related to [...]

Features

Owing to the alterations in visceral anatomy, many endoscopists, and especially trainees, experience difficulties when performing endoscopic surveys or procedures in patients who have previously undergone surgery to the digestive tract. In this richly illustrated book, an expert in the field provides a detailed overview of endoscopic follow-up of gastrointestinal (esophageal, gastric, and colorectal) [...]

Contents

Foreword.- Preface.- Section I Diagnostic procedures and follow-up.- Analysis of surgical risk factors in tailoring digestive anastomosis.- Impact of flexible endoscopy in the evaluation of digestive anastomosis.- Methodology and appropriateness of the follow-up.- Timing and protocols of endoscopic follow-up in operated patients after - esophageal surgery - gastric surgery - small bowel surgery - colorectal surgery. Intraoperative endoscopy in the evaluation of digestive anastomosis: which role?.- Contribution of Endo-Ultra Sonography.- Augmented endoscopic imaging in the [...]

Fields of interest

Gastroenterology; Abdominal Surgery; General Surgery

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-88-470-5369-4

Hardcover

2014. Approx. 200 p. 125 illus., 100 illus. in color. ISBN 978-88-470-5369-4

Due: February 28, 2014

B. Kallen, Tornblad Institute, Lund, Sweden

Epidemiology of Human Congenital Malformations

Authored by Bengt Källén, professor emeritus in embryology at Lund University in Sweden. The subject of this book is to describe the occurrence of congenital malformations among children born and what risk factors exist. Population data are presented for a number of malformations, ascertained with the use of data from the Swedish national health registers for the period 1998-2010 corresponding to some 1.3 million births, together with prospectively collected information on a group of exposures of possible interest. The structure of the analysis is such that it excludes studies of, for instance, nutrition, alcohol or street drug use and many other lifestyle factors where prospective [...]

Features

The subject of this book is to describe the occurrence of congenital malformations among children born and what risk factors exist. Population data are presented for a number of malformations, ascertained with the use of data from the Swedish national health registers for the period 1998-2010 corresponding to some 1.3 million births, together with prospectively collected information on a group of exposures [...]

Contents

A Short History of Birth Defect Epidemiology.- Genetic and Non-genetic Factors in the Origin of Congenital Malformations.- Ascertainment of Children with Congenital Malformations.- Statistical Considerations.- Epidemiological Methods.- Neural Tube Defects.- Microcephaly.- Hydrocephaly.- Agenesis of Corpus Callosum and Holoprosencephaly.- Severe Eye Malformations.- Severe Ear Malformations.- Cardiovascular Defects.- Orofacial Clefts.- Atresia or Stenosis of the Alimentary Tract.- Pyloric Stenosis.- Malrotation of the Gut.- Megacolon.- Hypospadias.- Epispadias, Cloacal and Bladder [...]

Fields of interest

Obstetrics / Perinatology; Maternal and Child Health; Reproductive Medicine; Epidemiology; Pediatrics

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-3-319-01471-5

Hardcover

2014. XV, 170 p. 30 illus. in color. ISBN 978-3-319-01471-5

Due: September 30, 2013

W.O. Tatum, Mayo College of Medicine, Jacksonville, USA; J.I. Sirven, Mayo Clinic, Scottsdale, USA; G.D. Cascino, Mayo Clinic, Rochester, USA (Eds.)

Epilepsy Case Studies

Pearls for Patient Care

Written by expert epilepsy clinicians from the Mayo Clinic, *Epilepsy Case Studies: Pearls for Patient Care* presents a wide variety of case histories drawn from "real life" experiences in people with seizures. Designed to stimulate the same deductive reasoning that is commonly used when seeing epilepsy patients in the clinic, this practical book presents the clinical scenario and then poses a range of stimulating questions to organize the reader's thoughts to address each case. Questions that revolve around each case include common ones such as "How does this test help us with the diagnosis?" and "What is the precise relationship of the patient's seizures to their overall neurological [...]"

Features

Written by expert epilepsy clinicians from the Mayo Clinic, *Epilepsy Case Studies: Pearls for Patient Care* presents a wide variety of case histories drawn from "real life" experiences in people with seizures. Designed to stimulate the same deductive reasoning that is commonly used when seeing epilepsy patients in the clinic, this practical book presents the clinical scenario and then poses a range of [...]

Fields of interest

Neurology; Internal Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-319-01365-7

Hardcover

2014. XVIII, 182 p. 53 illus., 40 illus. in color. ISBN 978-3-319-01365-7

Due: November 30, 2013

A.D. Kaye, A.M. Kaye, R.D. Urman (Eds.)

Essentials of Pharmacology for Anesthesia, Pain Medicine, and Critical Care with Black Box Warnings

In anesthesiology, pain medicine, and critical care, practitioners at all levels need help to stay current with the continually evolving drug knowledge-base, and trainees need tools to prepare for in-training and board exams that increasingly test their knowledge of pharmacology. This practical book is aimed at both readerships. It features a unique and practical chapter on the United States Food and Drug Administration (FDA) "black box" warnings that describe what safety precautions should be taken with commonly used drugs. The editors and contributors are pharmacology experts representing a cross-section of clinical specialties and institutions in the United States and include[...]

Features

In anesthesiology, pain medicine, and critical care, practitioners at all levels need help to stay current with the continually evolving drug knowledge-base, and trainees need tools to prepare for in-training and board exams that increasingly test their knowledge of pharmacology. This practical book is aimed at both readerships. It features a unique and practical chapter on the United States Food and Drug [..]

Contents

Part I. Basic Pharmacologic Principles.- 1. Introduction to Pharmacokinetics, pharmacodynamics, and drug metabolism.- 2. Mechanisms of Inhalational anesthetic agents.- 3. Principles of Total Intravenous Anesthesia.- 4. Perioperative Considerations in Pharmacology.- Part II. Drug Classes.- 5. Anesthetic Induction Agents.- 6. Analgesics: Opiate agonists, mixed agonist/antagonists, and antagonists for acute pain management.- 7. Analgesics: Opiates for chronic pain management and surgical considerations.- 8. Nonopioid Analgesic and Adjunct Drugs.- 9. Benzodiazepines and muscle relaxants.-[...]

Fields of interest

Anesthesiology; Pain Medicine; Intensive / Critical Care Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8947-4

Softcover

2014. XXX, 828 p. 224 illus., 32 illus. in color. ISBN 978-1-4614-8947-4

Due: December 2013

R. FECHTNER, A. Khouri, New Jersey Medical School, UMDNJ, Newark, USA (Eds.)

Eye Surgery

An Introduction to Operative Technique

Eye Surgery, 3rd edition combines the core principles and practices found in the first two editions with extensive updates from the last two decades, introducing a whole new generation of eye surgeons to the teachings of this classic text. Chapters have been completely revised and new chapters added, plus extensive color illustrations have been included that are not found in the original text. Eye Surgery, 3rd edition has a clear and practical application of ergonomic and engineering principles that allows surgeons to take advantage of the design instruments and techniques. Written and edited by leaders in the field, this edition preserves the character of the original two[...]

Features

Eye Surgery, 3rd edition combines the core principles and practices found in the first two editions with extensive updates from the last two decades, introducing a whole new generation of eye surgeons to the teachings of this classic text. Chapters have been completely revised and new chapters added, plus extensive color illustrations have been included that are not found in the original text. Eye [..]

Contents

Introduction Foreword by Dr. Georg Eisner Spatial Tactics Pressure Systems for Regulating Chamber Volume No-Outflow Systems Controlled-Outflow Systems Uncontrolled-Outflow Systems Effect of External Forces on Regulating Systems Basic Safety Strategy for Spatial Tactics Space-Tactical Instruments Watery Fluids Viscous and Viscoelastic Materials "Membranous" Implants (Bubbles) The Field of Spatial Tactics The Pressure Chamber of the Globe The Pressure Chamber of the Vitreous Effect of Deforming Forces on the Pressure Chambers of the Eye Deformations Caused by External Forces Deformation[...]

Fields of interest

Ophthalmology; Surgery

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-5649-0

Hardcover

2014. Approx. 450 p. 250 illus., 150 illus. in color. ISBN 978-1-4614-5649-0

Due: December 9, 2013

E.F. Wijdicks

Famous First Papers for the Neurointensivist

A major contribution to the literature in neurology from renowned neurointensivist Eelco F.M. Wijdicks, MD, PhD, Famous First Papers for the Neurointensivist presents and critically assesses numerous papers that have made a profound impact on the diagnosis and treatment of neurologically acute conditions. In general, there has been little historical work in acute neurologic conditions, precisely because neurology is not perceived through this perspective. Famous First Papers for the Neurointensivist addresses this problem by a scholarly treatment of early descriptions of clinical signs, syndromes and presenting the development of treatment of these acute disorders. Using a uniform and[...]

Features

A major contribution to the literature in neurology from renowned neurointensivist Eelco F.M. Wijdicks, MD, PhD, Famous First Papers for the Neurointensivist presents and critically assesses numerous papers that have made a profound impact on the diagnosis and treatment of neurologically acute conditions. In general, there has been little historical work in acute neurologic conditions, precisely [..]

Contents

Preface.- Acknowledgments.- Chapter 1:First and Famous: criteria and qualifiers.- Chapter 2:First intensive care units.- Chapter 3:First descriptions of clinical signs.- Chapter 4:First descriptions of clinical syndromes.- Chapter 5:First descriptions of initial management.- Chapter 6:First clinical studies and trials.- Chapter 7:First outcome studies.- Chapter 8:First bioethics studies.- Index.

Fields of interest

Neurology

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-1-4614-3181-7

Softcover

2013. XI, 289 p. 120 illus., 110 illus. in color. ISBN 978-1-4614-8910-8

**usually dispatched within 3 to 5 business days
December 30, 2013**

A. Reddi

Fluid, Electrolyte and Acid-Base Disorders

Clinical Evaluation and Management

Fluid, Electrolyte and Acid-Base Disorders: Clinical Evaluation & Management is a clear and concise presentation of the fundamentals of fluid, electrolyte and acid-base disorders frequently encountered in clinical practice. Each chapter begins with pertinent basic physiology followed by its clinical disorder. Cases for each fluid, electrolyte and acid-base disorder are discussed with answers. In addition, board-type questions with explanations are provided for each clinical disorder to increase the knowledge for the clinician. Practical and clinically oriented, this book is a handy reference for practicing physicians, students, residents and fellows.

Features

Fluid, Electrolyte and Acid-Base Disorders: Clinical Evaluation & Management is a clear and concise presentation of the fundamentals of fluid, electrolyte and acid-base disorders frequently encountered in clinical practice. Each chapter begins with pertinent basic physiology followed by its clinical disorder. Cases for each fluid, electrolyte and acid-base disorder are discussed with [...]

Contents

Part I: Fluids - Body fluid compartments.- Interpretation of urine electrolytes and osmolality.- Renal handling of NaCl and water.- Disorders of extracellular fluid volume.- Diuretics.- Intravenous solutions.- Part II: Electrolytes - Regulation of plasma osmolality: Hyponatremia and Hypernatremia.- Renal handling of potassium: Hypokalemia and Hyperkalemia.- Renal handling of calcium: Hypocalcemia and Hypercalcemia.- Renal handling of phosphorus: Hypophosphatemia and Hyperphosphatemia.- Renal handling of magnesium: Hypomagnesemia and Hypermagnesemia.- Part III: Acid-Base - Renal [...]

Fields of interest

Nephrology; Internal Medicine; Intensive / Critical Care Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-9082-1

Softcover

2014. XX, 448 p. 46 illus., 2 illus. in color.
ISBN 978-1-4614-9082-1

Due: October 31, 2013

R.B. Dettmeyer, Universitätsklinikum Gießen, Gießen, Germany;
M.A. Verhoff, Universitätsklinikum Gießen, Gießen, Germany; H.F. Schütz, Universitätsklinikum Gießen, Gießen, Germany

Forensic Medicine

Fundamentals and Perspectives

This book presents the latest developments in the field of forensic pathology/forensic medicine, including important advances in forensic histopathology, forensic radiology, medical malpractice, understanding of child abuse, and forensic toxicology. Various forms of trauma are addressed in individual chapters, and among the other topics covered are traffic medicine, forensic alcohol toxicology, forensic DNA analysis, forensic osteology, and international regulations. The book includes a wealth of color illustrations and numerous tables presenting key facts. The authors are leading experts in general pathology, forensic radiology, and forensic toxicology. Forensic Pathology/Forensic [...]

Features

This book presents the latest developments in the field of forensic pathology/forensic medicine, including important advances in forensic histopathology, forensic radiology, medical malpractice, understanding of child abuse, and forensic toxicology. Various forms of trauma are addressed in individual chapters, and among the other topics covered are traffic medicine, forensic alcohol toxicology, forensic DNA [...]

Contents

Introduction.- Forensic Thanatology.- Post mortem examination.- Forensic autopsy.- Forensic traumatology.- Vital reactions.- Blunt trauma.- Sharp force.- Gunshot wounds.- Violence against the neck.- Suffocation.- Thermic injuries - Burns, Scalds, Hypothermia.- Electricity, Lightning, Gases.- Immersion deaths.- Clinical Forensic Medicine.- Special natural, unnatural and unclear deaths.- Child abuse.- Sexual child abuse.- Fatal child abuse.- Traffic Medicine.- Forensic Alcoholology.- Forensic Toxicology.- Forensic DNA-Analyses.- Forensic Osteology.- Identification of human remains.- [...]

Fields of interest

Pathology; Forensic Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-38817-0

Hardcover

2014. XIV, 561 p. 372 illus., 334 illus. in color.
ISBN 978-3-642-38817-0

Due: October 31, 2013

Q." Zhai, Mayo Clinic Florida, Jacksonville, USA (Ed.)

Frozen Section Library: Endocrine Organs

The Frozen Section Library series provides concise, user-friendly, site specific handbooks that are well illustrated and highlight the pitfalls, artifacts and differential diagnosis issues that arise in the hurried frozen section scenario. Written by expert surgical pathologists, Frozen Section Library: Endocrine Organs presents common and practical problems including follicular adenoma versus follicular carcinoma, papillary thyroid carcinoma versus reactive change and freezing artifact, follicular variant of papillary thyroid carcinoma, and medullary thyroid carcinoma. Anaplastic carcinoma, thyroid lymphoma, resection margin of a pancreatic endocrine tumor, pheochromocytoma within [...]

Features

The Frozen Section Library series provides concise, user-friendly, site specific handbooks that are well illustrated and highlight the pitfalls, artifacts and differential diagnosis issues that arise in the hurried frozen section scenario. Written by expert surgical pathologists, Frozen Section Library: Endocrine Organs presents common and practical problems including follicular adenoma versus [...]

Contents

Thyroid Gland.- Parathyroid Gland.- Endocrine Tumors of the Pancreas.- Adrenal Gland.- Pituitary Gland.- Paraganglioma.- Neuroendocrine Tumors within the Non-Endocrine Organs.

Fields of interest

Pathology; Endocrinology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8611-4

Softcover

2014. XIV, 235 p. 191 illus., 190 illus. in color. (Frozen Section Library, Vol. 12)
ISBN 978-1-4614-8611-4

Due: November 28, 2013

C. Hou, Changzheng Hospital, Shanghai, China (P.R.) (Ed.)

Functional Bladder Reconstruction Following Spinal Cord Injury via Neural Approaches

One of the most common problems for spinal cord injury patients is urinary system dysfunction. The book *Functional Bladder Reconstruction Following Spinal Cord Injury via Neural Approaches* introduces how to solve this problem using multidisciplinary approaches. From animal model studies to surgical techniques as well as successful case reports, six kinds of surgery are presented in separate chapters. This up-to-date monograph will be a valuable resource for surgeons, urologists and neurologists caring for spinal cord injury patients. The contributors are a group of surgeons working in the fields of orthopaedics and microsurgery. Editor Chunlin Hou is Professor in Changzheng Hospital, [...]

Features

One of the most common problems for spinal cord injury patients is urinary system dysfunction. The book *Functional Bladder Reconstruction Following Spinal Cord Injury via Neural Approaches* introduces how to solve this problem using multidisciplinary approaches. From animal model studies to surgical techniques as well as successful case reports, six kinds of surgery are presented in separate [...]

Contents

An overview of traumatic spinal cord injury.- Clinical anatomy of cauda equina and lumbosacral nerve root.- Classification of and Treatment Principles for Bladder Dysfunction Caused by Spinal Cord Injury.- Pathological changes in the detrusor after spinal cord injury.- Microstructural study of the detrusor muscle after repair of atonic bladders caused by injury to the medullary cone in rats.- Selective sacral rhizotomy: introducing a simple intraoperative manometric method.- Reconstruction of bladder innervation below the level of spinal cord injury for inducing urination by Achilles[...]

Fields of interest

Neurosurgery; Urology / Andrology; Animal Models

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-94-007-7765-1

Hardcover

2014. XIII, 110 p. 40 illus., 20 illus. in color.
ISBN 978-94-007-7765-1

Due: November 30, 2013

A. Luna, Clínica Las Nieves, Jaén, Spain; J.C. Vilanova, Clínica Girona, Girona, Spain; L.C. Hygino Da Cruz Jr., S.E. Rossi, Centro de Diagnóstico, Buenos Aires, Argentina (Eds.)

Functional Imaging in Oncology

Biophysical Basis and Technical Approaches - Volume 1

In the new era of functional and molecular imaging, both currently available imaging biomarkers and biomarkers under development are expected to lead to major changes in the management of oncological patients. This well-illustrated two-volume book is a practical manual on the various imaging techniques capable of delivering functional information on cancer, including preclinical and clinical imaging techniques, based on US, CT, MRI, PET and hybrid modalities. This first volume explains the biophysical basis for these functional imaging techniques and describes the techniques themselves. Detailed information is provided on the imaging of cancer hallmarks, including angiogenesis, tumor [...]

Features

In the new era of functional and molecular imaging, both currently available imaging biomarkers and biomarkers under development are expected to lead to major changes in the management of oncological patients. This well-illustrated two-volume book is a practical manual on the various imaging techniques capable of delivering functional information on cancer, including preclinical and clinical imaging [...]

Contents

Clinical and therapeutic approach to functional oncological imaging: Cancer biology: What's important for imaging.- Imaging biomarkers in oncology as surrogate endpoints in clinical trials.- Role of functional-molecular imaging in oncology.- Radiotherapy and imaging.- New therapies and functional-molecular imaging.- Bioinformatics for cancer imaging. Imaging of cancer hallmarks: Imaging of angiogenesis.- Imaging of tumor metabolism: MR spectroscopy.- Imaging of tumor metabolism: 18-FDG PET.- Imaging of tumor metabolism: PET with other metabolites.- Imaging of hypoxia on PET.- Imaging of [...]

Fields of interest

Imaging / Radiology; Oncology; Diagnostic Radiology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-40411-5

Hardcover

2014. XII, 560 p. 261 illus., 201 illus. in color.
ISBN 978-3-642-40411-5

Due: November 30, 2013

A. Luna, Clínica Las Nieves, Jaén, Spain; J.C. Vilanova, L.C. Hygino Da Cruz Jr., S.E. Rossi, Centro de Diagnóstico, Buenos Aires, Argentina (Eds.)

Functional Imaging in Oncology

Clinical Applications Volume 2

In the new era of functional and molecular imaging, both currently available imaging biomarkers and biomarkers under development are expected to lead to major changes in the management of oncological patients. This two-volume book is a practical manual on the various imaging techniques capable of delivering functional information on cancer, including diffusion MRI, perfusion CT and MRI, dual-energy CT, spectroscopy, dynamic contrast-enhanced ultrasonography, PET, and hybrid modalities. This second volume considers the applications and benefits of these techniques in a wide range of tumor types, including their role in diagnosis, prediction of treatment outcome, and early evaluation of [...]

Features

In the new era of functional and molecular imaging, both currently available imaging biomarkers and biomarkers under development are expected to lead to major changes in the management of oncological patients. This two-volume book is a practical manual on the various imaging techniques capable of delivering functional information on cancer, including diffusion MRI, perfusion CT and MRI, dual-energy CT, [...]

Contents

Tumors of the CNS and spinal cord: Functional techniques in the CNS.- Gliial tumors, brain metastases, and postoperative changes.- Non-gliial primary tumors of the CNS.- Spinal cord malignancies. Head and neck tumors: Head and neck tumors. Chest malignancies: Lung cancer and malignancies of the pleura.- Malignant Pleural Mesothelioma.- Thymoma and other malignancies of the mediastinum.- Cardiac tumors. Women's Cancers: Breast cancer.- PET-CT of gynecological malignancies and ovarian cancer.- Functional MRI of gynecological malignancies.- Ovarian cancer and peritoneum. Malignancies of the [...]

Fields of interest

Imaging / Radiology; Oncology; Diagnostic Radiology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-40581-5

Hardcover

2014. XX, 876 p. 507 illus., 304 illus. in color.
ISBN 978-3-642-40581-5

Due: December 31, 2013

Z.P. Nagy, A.C. Varghese, A. Agarwal, Cleveland Clinic, Cleveland, USA (Eds.)

Gamete Assessment, Selection and Micromanipulation in ART

A Practical Guide

This concise, truncated version of Nagy, Varghese and Agarwal's Practical Manual of In Vitro Fertilization is comprised of select clinical chapters for a portable, affordable and up-to-date resource. Gamete Assessment, Selection and Micromanipulation in ART covers a variety of topics, including: - Human oocyte evaluation - Sperm evaluation and selection - Micromanipulators and micromanipulation - Biopsy procedures on oocytes and embryos - Molecular insights in IVF Practical for both clinicians and researchers alike, Gamete Assessment, Selection and Micromanipulation in ART brings together all of the need-to-know information about these important topics in reproductive medicine.

Features

This concise, truncated version of Nagy, Varghese and Agarwal's Practical Manual of In Vitro Fertilization is comprised of select clinical chapters for a portable, affordable and up-to-date resource. Gamete Assessment, Selection and Micromanipulation in ART covers a variety of topics, including: - Human oocyte evaluation - Sperm evaluation and selection - [...]

Contents

Part I: Human Oocyte Evaluation in IVF.- Assessment of Oocyte Quality.- Polarization Microscopy.- Cumulus Cell Gene Expression in Assessment of Oocyte Quality.- Part II: Sperm Evaluation and Selection.- Sperm Assessment: Traditional Approaches and Their Indicative Value.- Sperm Assessment: Novel Approaches and Their Indicative Value.- Intracytoplasmic Morphologically Selected Sperm Injection.- Sperm Testing and ICSI Selection by Hyaluronic Acid Binding: The Hyaluronic Acid-Coated Glass Slide and Petri Dish in Andrology and IVF Laboratories.- Electrophoretic Sperm Separation.- [...]

Fields of interest

Reproductive Medicine; Obstetrics / Perinatology; Gynecology; Urology / Andrology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8359-5

Softcover

Contains selected chapters from Practical Manual of In Vitro Fertilization

2013. X, 200 p.

ISBN 978-1-4614-8359-5

Due: October 31, 2013

H.-F. Huang, Zhejiang University, Hangzhou, China (P.R.); J.-Z. Sheng, Zhejiang University, Hangzhou, China (P.R.) (Eds.)

Gamete and Embryo-fetal Origins of Adult Diseases

The book Gamete and Embryo-fetal Origins of Adult Diseases introduces various diseases resulting from the abnormal gametogenesis and embryo development, which manifests as growth retardation, birth defects, or increased susceptibility to chronic metabolic diseases such as diabetes, cardiovascular disease and cancer in childhood and adult life, even fertility disorders and the risk of transgenerational transmission. Six common kinds of these diseases are discussed in separate chapters. The authors explore the connections between these diseases and epigenetic reprogramming, rapid cell differentiation and organ formation and environmental influences, including assisted reproductive [...]

Features

The book Gamete and Embryo-fetal Origins of Adult Diseases introduces various diseases resulting from the abnormal gametogenesis and embryo development, which manifests as growth retardation, birth defects, or increased susceptibility to chronic metabolic diseases such as diabetes, cardiovascular disease and cancer in childhood and adult life, even fertility disorders and the risk of transgenerational [...]

Contents

Physiology of gametogenesis.- Physiology of embryo development.- Diabetes originated from embryo-fetal development.- Cardiovascular disease originated from embryo-fetal development.- Tumor originated from embryo-fetal development.- Obesity originated from embryo-fetal development.- Infertility originated from embryo-fetal development.- Mental health originated from embryo-fetal development.- Assisted reproductive technology (ART) and embryo-fetal origin of diseases.- Adverse intrauterine environment and embryo-fetal origin of diseases.

Fields of interest

Reproductive Medicine; Pediatrics; Human Genetics

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-94-007-7771-2

Hardcover

2014. X, 233 p. 7 illus., 6 illus. in color.

ISBN 978-94-007-7771-2

Due: November 30, 2013

B.J. Coventry, University of Adelaide, Adelaide, Australia (Ed.)

General Surgery Risk Reduction

General Surgery Risk Reduction is part of the series: Surgery: Complications, Risks and Consequences edited by Brendon Coventry.

Features

Written by internationally acclaimed specialists, General Surgery Risk Reduction expands on complications associated with surgery and how to reduce them, the availability of relevant information and the rapid advancements of surgical technology. Chapters provide pertinent and concise procedure descriptions creating a book that is both comprehensive and accessible. Stages of operative approaches with [...]

Contents

1. Introduction.- 2. General Peri-operative Complications.- 3. Surgical Infection.- 4. Pre-Operative Risk Assessment and Intra-Operative Monitoring.- 5. Anaesthesia Complications.- 6. Intensive Care Complications.- 7. Acute Peri-Operative Pain: Mechanisms and Management.- 8. Systems, Safety and Quality – Harm, Error and Litigation.- 9. Risk Management and Human Factors.- 10. Medico-Legal Risk Management in Surgery.- 11. Evaluation of Surgical Safety and Efficacy.- 12. Accreditation, Credentialing, Scope of Practice and Outcome Evaluation.

Fields of interest

Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5390-0

Hardcover

2014. VIII, 343 p. 21 illus., 11 illus. in color. (Surgery: Complications, Risks and Consequences)

ISBN 978-1-4471-5390-0

Due: October 31, 2013

J.A. Yelon, Lincoln Medical Center, Bronx, USA; F.A. Luchette, Loyola University Medical Center, Maywood, USA (Eds.)

Geriatric Trauma and Critical Care

Geriatric Trauma and Critical Care provides a multidisciplinary overview of the assessment and management of the elderly patient presenting with surgical pathology. By utilizing current literature and evidence-based resources, the textbook elucidates the unique nature of caring for the elderly population. The structure of the volume provides the reader with an overview of the physiologic and psychological changes, as well as the impact on the healthcare system, associated with the aging process. Emphasis is placed on the impact of aging, pre-existing medical problems, effects of polypharmacy, advanced directives and end-of-life wishes on acute surgical problems, including trauma and [...]

Features

Geriatric Trauma and Critical Care provides a multidisciplinary overview of the assessment and management of the elderly patient presenting with surgical pathology. By utilizing current literature and evidence-based resources, the textbook elucidates the unique nature of caring for the elderly population. The structure of the volume provides the reader with an overview of the physiologic and [...]

Contents

SECTION I: IMPACT OF AGING ON HEALTH.- 1. Changing Demographics of the American Population.- 2. Cardiovascular Physiology.- 3. Pulmonary Artery.- 4. Renal Function in the Elderly.- 5. Skin, Soft Tissue, and Wound Healing in the Elderly.- 6. Immunologic.- 7. Hematological Changes with Aging.- 8. Geriatric Psychology and the Injured Elderly.- 9. Health Care Economics and the Impact of Aging on Rising Health Care Costs.- 10. Operative Risk Stratification.- SECTION II: SURGICAL EMERGENCIES IN THE ELDERLY.- 11. Appendicitis.- 12. Biliary.- 13. Diverticulitis.- 14. Intestinal Obstruction.- [...]

Fields of interest

General Surgery; Traumatic Surgery; Emergency Medicine; Geriatrics / Gerontology; Anesthesiology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8500-1

Hardcover

2014. XV, 450 p. 91 illus., 52 illus. in color.
ISBN 978-1-4614-8500-1

Due: November 30, 2013

K.E. Pinkerton, University of California, Davis, USA; W.N. Rom, Div. of Pulmonary, Critical Care, New York, USA (Eds.)

Global Climate Change and Public Health

Pulmonary physicians and scientists currently have minimal capacity to respond to climate change and its impacts on health. The extent to which climate change influences the prevalence and incidence of respiratory morbidity remains largely undefined. However, evidence is increasing that climate change does drive respiratory disease onset and exacerbation as a result of increased ambient and indoor air pollution, desertification, heat stress, wildfires, and the geographic and temporal spread of pollens, molds and infectious agents. Preliminary research has revealed climate change to have potentially direct and indirect adverse impacts on respiratory health. Published studies have [...]

Features

Pulmonary physicians and scientists currently have minimal capacity to respond to climate change and its impacts on health. The extent to which climate change influences the prevalence and incidence of respiratory morbidity remains largely undefined. However, evidence is increasing that climate change does drive respiratory disease onset and exacerbation as a result of increased ambient and indoor air [...]

Contents

Introduction: Consequences of Global Warming to the Public's Health.- Climate Variability and Change Data and Information for Global Public Health.- Climate Change: Overview of Data Sources, Observed and Predicted Temperature Changes, and Impacts on Public and Environmental Health.- Eyewitness to Global Warming.- California and Climate Changes.- Heat Waves and Rising Temperatures: Human Health Impacts and the Determinants of Vulnerability.- Climate, Air Quality and Allergy: Emerging Methods for Detecting Linkages.- The Human Health Co-benefits of Air Quality Improvements Associated [...]

Fields of interest

Pneumology/Respiratory System; Climate Change Impacts; Internal Medicine; Primary Care Medicine; Public Health

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8416-5

Hardcover

2014. XII, 406 p. 71 illus., 61 illus. in color. (Respiratory Medicine, Vol. 7)
ISBN 978-1-4614-8416-5

Due: October 31, 2013

D. Hollar, University of North Carolina, Chapel Hill, USA (Ed.)

Handbook of Children with Special Health Care Needs

Children with chronic conditions, developmental disorders, and birth defects represent a sizeable minority of American children—as many as one in five. Often their families have financial or other issues limiting their access to appropriate care, thus limiting their adult prospects as well. Compounding the problem, many valuable resources concerning this population are difficult to access although they may be critical to the researchers, practitioners, and policymakers creating standards for quality care and services. In response, the Handbook of Children with Special Health Care Needs assembles research, applied, and policy perspectives reflecting the range of children's problems [...]

Features

Handbook of Children with Special Health Care Needs David Hollar, editor Children with chronic conditions, developmental disorders, and birth defects represent a sizeable minority of American children—as many as one in five. Often their families have financial or other issues limiting their access to appropriate care, thus limiting their adult prospects as well. [...]

Contents

1. Policy: Its History, Intentions and Consequences for Children with Special Health Care Needs.- 2. Severe Communication Disorders.- 3. Attention Deficit Hyperactivity Disorder (ADHD), Perceived Competence, and Self-Worth.- 4. Quality Of Life In Children Diagnosed With Specific Learning Disability Or Attention-Deficit/Hyperactivity Disorder.- 5. Children and Adolescents with Mobility Limitations.- 6. Rethinking Deaf Learners Education - A Human Rights Issue.- 7. Childhood eye disorders and visual impairment.- 8. Evaluating School-Aged Children with Visual Disabilities.- 9. Oral Health [...]

Fields of interest

Maternal and Child Health; Pediatrics; Child and School Psychology; Rehabilitation; Social Work

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-2334-8

Softcover

2013. XXVII, 430 p. 25 illus.
ISBN 978-1-4614-8747-0

Due: October 29, 2013

E. Hale, J. Karen, P. Robins

Handbook of Dermatologic Surgery

The Handbook of Dermatologic Surgery incorporates the most cutting edge technology applicable to dermatologists and dermatologic surgeons today. Designed as a reference guide for dermatologic surgery and aesthetic procedures, it disseminates key scientific information in an easy-to-use pocket book. This handbook is designed to be readily transportable for dermatologists and dermatologic surgeons, as well as those in training, dermatology residents and fellows, and medical students rotating through dermatology.

Features

The Handbook of Dermatologic Surgery incorporates the most cutting edge technology applicable to dermatologists and dermatologic surgeons today. Designed as a reference guide for dermatologic surgery and aesthetic procedures, it disseminates key scientific information in an easy-to-use pocket book. This handbook is designed to be readily transportable for dermatologists and dermatologic [...]

Contents

1. Surgical Anatomy.- 2. Excisional and Non-excisional Surgery.- 3. Advanced Repairs.- 4. Cosmetic Dermatology: neurotoxins, fillers and chemical peels.- 5. Lasers and other technology.- 6. Leg Veins.- Index.

Fields of interest

Dermatology; Surgery

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8334-2

Softcover

2014. X, 60 p. 38 illus., 11 illus. in color.

ISBN 978-1-4614-8334-2

Due: November 30, 2013

W. Ahrens, Bremer Institut für Präventionsforschung, Bremen, Germany; I. Pigeot, Bremer Institut für Präventionsforschung, Bremen, Germany (Eds.)

Handbook of Epidemiology

This 3-volume reference covers the entire field of epidemiology, from statistical methods and study design, to specialized areas such as molecular epidemiology, and applications in clinical medicine and health services research. This updated edition of the Handbook of Epidemiology adds 20 new chapters on: History of Epidemiological Methods and Concepts, Cluster Randomized Trials, Internet-Based Epidemiology, Misclassification, Sensitivity Analysis and Bias Analysis, Emergency and Disaster Health Surveillance, Statistical Inference, Data Management in Epidemiology, Bayesian Methods in Epidemiology, Generalized Estimating Equations, Directed Acyclic Graphs, Life Course Epidemiology.[...]

Features

This 3-volume reference covers the entire field of epidemiology, from statistical methods and study design, to specialized areas such as molecular epidemiology, and applications in clinical medicine and health services research. This updated edition of the Handbook of Epidemiology adds 20 new chapters on: History of Epidemiological Methods and Concepts, Cluster Randomized Trials, Internet-Based [...]

Contents

Foreword.- Preface.- Part I: Concepts and Designs in Epidemiology; An Introduction to Epidemiology, History of Epidemiological Methods and Concepts (NEW), Basic Concepts, Rates, Risks, Measures of Association and Impact, Descriptive Studies, Cohort Studies, Case-Control Studies, Modern Epidemiological Study Designs, Intervention Trials, Cluster Randomized Trials (NEW), Community-Based Health Promotion, Internet Based Epidemiology (NEW).- Part II: Methodological Approaches in Epidemiology; Design and Planning of Epidemiological Studies, Quality Control and Good Epidemiological[...]

Fields of interest

Epidemiology; Statistics for Life Sciences, Medicine, Health Sciences; Medicine (general)

Target groups

Research

Type of publication

Handbook

More on www.springer.com/978-0-387-09833-3

Hardcover

2014. 2300 p. 50 illus. In 3 volumes, not available separately.

ISBN 978-0-387-09833-3

Due: October 30, 2013

2014. 2300 p. 50 illus. eReference.

ISBN 978-0-387-09834-0

Due: November 30, 2013

Hardcover

2014. 2300 p. 50 illus. Print + eReference.

ISBN 978-0-387-09835-7

Due: November 30, 2013

H.A.M.J. ten Have, B. Gordijn, Dublin City University, Dublin, Ireland (Eds.)

Handbook of Global Bioethics

As the first of its kind, this handbook presents state-of-the-art information and analysis concerning the state of affairs in bioethics in approximately 50 countries. The country reports point out the most important discussions as well as the emerging topics in the field. Readers can orientate themselves quickly as regards the various relevant issues, institutional structures and expertise available in these countries. The authorship of this reference work is truly global as it involves contributions from the best authors with innate knowledge of the bioethics situation in these countries.

Features

As the first of its kind, this handbook presents state-of-the-art information and analysis concerning the state of affairs in bioethics in approximately 50 countries. The country reports point out the most important discussions as well as the emerging topics in the field. Readers can orientate themselves quickly as regards the various relevant issues, institutional structures and expertise available [...]

Contents

Section 1: Introduction.- Section 2: Principles of Global Bioethics.- Section 3: Cultural Perspectives.- Section 4: Religious Perspectives.- Section 5: Specific Issues from a Global Perspective.- Section 6: Future Perspectives.- Section 7: Countries.

Fields of interest

Theory of Medicine / Bioethics; Ethics; Philosophy of Medicine

Target groups

Research

Type of publication

Handbook

More on www.springer.com/978-94-007-2511-9

Hardcover

2014. XXIV, 1685 p. 54 illus., 49 illus. in color. In 4 volumes, not available separately.

ISBN 978-94-007-2511-9

**usually dispatched within 3 to 5 business days
October 31, 2013**

2014. XXIV, 1685 p. 54 illus., 49 illus. in color. eReference.

ISBN 978-94-007-2512-6

Online orders shipping within 2-3 days.

Hardcover

2014. XXIV, 1685 p. 54 illus., 49 illus. in color. Print + eReference. In 5 volumes, not available separately.

ISBN 978-94-007-2513-3

Due: September 30, 2013

J.A. Cohen, A. Rae-Grant, Cleveland Clinic, Cleveland, USA

Handbook of Multiple Sclerosis

Over the past 30 years there have been significant advances in our understanding of multiple sclerosis (MS) due to the use of MRIs to better visualize the disease and because of the introduction of new ameliorating drugs. However, MS is still an incurable disease and diagnosis remains challenging for many physicians; for instance symptoms often mimic MS and there is not a specific test for the disease. To ensure optimal patient care there is a need for physicians to remain up to date with new drugs on the market, disease detection, diagnosis, and latest management options. The Handbook of Multiple Sclerosis (Second Edition) provides a concise, easily assessable guide for all[...]

Features

Over the past 30 years there have been significant advances in our understanding of multiple sclerosis (MS) due to the use of MRIs to better visualize the disease and because of the introduction of new ameliorating drugs. However, MS is still an incurable disease and diagnosis remains challenging for many physicians; for instance symptoms often mimic MS and there is not a specific test for the disease. To [...]

Contents

Introduction.- Clinical features.- Diagnosing multiple sclerosis.- Treatment of acute relapses of multiple sclerosis.- Disease modifying therapy.- Symptom management.- Medical management of patients with multiple sclerosis.

Fields of interest

Neurology; Neuroradiology; Imaging / Radiology; General Practice / Family Medicine; Primary Care Medicine

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-1-908517-49-4

Softcover

2014. Approx. 100 p. 4 illus., 2 illus. in color.
ISBN 978-1-908517-49-4

Due: December 15, 2013

G. Ernst, Kongsberg Hospital, Kongsberg, Norway

Heart Rate Variability

This book not only discusses clinical applications, but also links HRV to systems biology and theories of complexity. This publication should be interesting for several groups of clinicians and scientists, including cardiologists, anesthesiologists, intensivists and physiologists. Heart Rate Variability is in principle easy and cheap, making it interesting for all kind of hospitals and private practice. The book will be an example of using translational medicine (bench to bedside) where newest theoretical results are linked to newest clinical research.

Features

This book is an evaluation of heart rate variability (HRV), the tendency for the heart rate to oscillate, increasing and decreasing depending on a number of factors. Such oscillations can give information on the state of the complex systems involved and can reveal a higher mortality risk. The author discusses the basic functional structures responsible for HRV and the evidence for this. In addition, the [...]

Contents

History of heart rate variability.- Linear, Nonlinear and Complex systems.- The autonomic nervous system.- Methodological issues.- HRV and alterations in the vegetative nervous system.- Pathophysiological and Systems Biology considerations.- General Mortality.- Cardiology.- Perioperative care.- Intensive Care and Trauma.- Neurologic disorders.- Pain.- HRV in oncology and palliative medicine.- Psychiatry.- Diabetes.- Other Studies.- Conclusion.

Fields of interest

Cardiology

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-1-4471-4308-6

Hardcover

2014. X, 350 p. 58 illus., 19 illus. in color.
ISBN 978-1-4471-4308-6

Due: October 31, 2013

F.O. Smith, University of Cincinnati, Cincinnati, USA; G.H. Reaman, J.M. Racadio (Eds.)

Hematopoietic Cell Transplantation in Children with Cancer

This book is a comprehensive and up-to-date compendium on all aspects of blood and marrow transplantation in children. After an introductory chapter describing the history of pediatric blood and marrow transplantation, subsequent chapters discuss pediatric-specific aspects of transplantation, including stem cell sources suitable for transplantation, preparative regimens, graft-versus-host disease, complications related to transplantation, and late effects. The role of blood and marrow transplantation in various specific pediatric diseases is then examined, and the closing chapter considers future directions. The authors are all internationally recognized experts and offer a largely[...]

Features

This book is a comprehensive and up-to-date compendium on all aspects of blood and marrow transplantation in children. After an introductory chapter describing the history of pediatric blood and marrow transplantation, subsequent chapters discuss pediatric-specific aspects of transplantation, including stem cell sources suitable for transplantation, preparative regimens, graft-versus-host disease, [...]

Contents

History of Pediatric BMT.- Stem Cell Sources and Donor Selection.- Preparative Regimens.- Graft-versus-Host Disease.- Complications Following BMT and Supportive Care.- Late Effects.- Acute Lymphoblastic Leukemia.- Acute Myeloid Leukemia.- Lymphomas.- Myelodysplastic and Myeloproliferative Disorders.- Solid Tumors.- Non-Malignant Diseases.- Future Directions.

Fields of interest

Oncology; Pediatrics; Hematology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-39919-0

Hardcover

2014. XII, 436 p. 38 illus., 20 illus. in color. (Pediatric Oncology)
ISBN 978-3-642-39919-0

Due: November 30, 2013

M. Berenguer, Dept of Hepatology and Liver Transplant, Valencia, Spain (Ed.)

Hepatitis C Virus and Liver Transplantation

Hepatitis C Virus and Liver Transplantation is designed to provide a comprehensive and state-of-the-art overview of the major issues specific to the field of liver transplantation and hepatitis C virus infection. The sections of the book have been structured to review the overall scope of issues of recurrent hepatitis C in different complex settings, including retransplantation, HIV-coinfected patients or in the setting of suboptimal graft donors. This book provides up-to-date information on the application of new therapies to the field of liver transplantation. It provides the most recent data on their efficacy, the management of side effects, as well as the potential interactions[...]

Features

Hepatitis C Virus and Liver Transplantation is designed to provide a comprehensive and state-of-the-art overview of the major issues specific to the field of liver transplantation and hepatitis C virus infection. The sections of the book have been structured to review the overall scope of issues of recurrent hepatitis C in different complex settings, including retransplantation, HIV-coinfected [...]

Contents

1. Treatment of Hepatitis C Before Liver Transplantation.- 2. Donor-Recipient Matching in HCV-Infected Patients.- 3. Natural History of Recurrent Hepatitis C: Impact of Immunosuppression.- 4. Treatment of Hepatitis C After Liver Transplantation.- 5. Hepatitis C and Liver Transplantation in the HIV Co-Infected Patients.- 6. Liver Transplantation for Hepatocellular Carcinoma in HCV-Infected Patients.- 7. Retransplantation for HCV-Related Liver Disease.- 8. Use of Anti-HCV Positive Grafts in Liver Transplantation.

Fields of interest

Hepatology; Transplant Surgery; Abdominal Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8437-0

Hardcover

2014. X, 123 p. 13 illus., 8 illus. in color.

ISBN 978-1-4614-8437-0

usually dispatched within 3 to 5 business days

E.R. Swenson, University of Washington, Seattle, USA; P. Bartsch, Medical University Clinic Heidelberg, Heidelberg, Germany (Eds.)

High Altitude

Human Adaptation to Hypoxia

Over the last decade the science and medicine of high altitude and hypoxia adaptation has seen great advances. High Altitude: Human Adaptation to Hypoxia addresses the challenges in dealing with the changes in human physiology and the particular medical conditions that arise from exposure to high altitude. In-depth and comprehensive chapters cover both the basic science and the clinical consequences of exposure to high altitude. Genetic, cellular, organ and whole body system responses to high altitudes are covered and chapters discuss these effects on a wide range of diseases. Expert authors provide insight into the care of patients with pre-existing medical conditions that fail in[...]

Features

Over the last decade the science and medicine of high altitude and hypoxia adaptation has seen great advances. High Altitude: Human Adaptation to Hypoxia addresses the challenges in dealing with the changes in human physiology and the particular medical conditions that arise from exposure to high altitude. In-depth and comprehensive chapters cover both the basic science and the clinical consequences [...]

Contents

1. Cellular and Molecular Mechanisms of O₂ Sensing Paul Schumacher 2. Cellular and Molecular Defenses Against Hypoxia Joachim Fandrey 3. Control of Breathing Luc Teppema 4. Lung Function and Gas Exchange Susan Hopkins and Andrew Luks 5. Pulmonary Circulation Marco Maggiorini and Simon Gibbs 6. Cardiovascular System Benjamin Levine 7. Cerebral Circulation and Brain Chris Imray and Philip Ainslie 8. Autonomic Nervous System Roger Hainsworth, Mark Drinkhill, and Victoria Claydon 9. Skeletal Muscle Hans Hoppler 10. [...]

Fields of interest

Pneumology/Respiratory System; Internal Medicine; Human Physiology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8771-5

Hardcover

2014. VIII, 480 p. 92 illus., 16 illus. in color.

ISBN 978-1-4614-8771-5

Due: October 31, 2013

C. Wattal, Sir Ganga Ram Hospital, New Delhi, India; N. Khadori, Eastern Virginia Medical School, Virginia, USA (Eds.)

Hospital Infection Prevention

The art of medicine becomes science when supported by evidence. The recommended practices of infection prevention are based on scientific and epidemiologic evidence. However, most health care professionals see them as mandates and fail to incorporate them into their routine patient care activities. The core goal of this publication is to link the practices to the principles they are based on. The expectation is that understanding of the principles will change the practices from mandates to "should do" in the minds of health care professionals. This will lead to improvement in health care by preventing unintended harm to patients, co-workers and the communities at large. At the same[...]

Features

The art of medicine becomes science when supported by evidence. The recommended practices of infection prevention are based on scientific and epidemiologic evidence. However, most health care professionals see them as mandates and fail to incorporate them into their routine patient care activities. The core goal of this publication is to link the practices to the principles they are based on. The [...]

Contents

The Mighty World of Microbes - An Overview.- Vaccinations and infection prevention.- Hospital Infection Prevention Program.- Current practices for infection prevention in the hospital settings.- Hospital Infection Prevention Program.- The Role of Microbiology Laboratory in Infection Prevention.- Role of Antimicrobial Stewardship in Infection Prevention.- A Four step approach to Antibiotic stewardship in India: Formulation of antibiotic policy.- Role of Hospital Housekeeping and Materials Management Including Disinfection and Waste Management.- Hand Hygiene and Personal Protective[...]

Fields of interest

Infectious Diseases; Public Health; Health Promotion and Disease Prevention

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-81-322-1607-0

Hardcover

2014. X, 177 p. 8 illus., 3 illus. in color.

ISBN 978-81-322-1607-0

Due: October 31, 2013

G. Allahbadia, Rotunda, The Centre for Human Production, Mumbai, India; C. Chillik, CEGyR, Buenos Aires, Argentina (Eds.)

Human Embryo Transfer

This concise work on embryo transfer is yet another contribution to the persevering effort to disseminate latest information on the science and skill of performing an atraumatic and successful embryo transfer, the most critical culmination of the assisted reproductive technology (ART) stimulation cycle, and a rate-limiting step in dictating the success of treatment. The well-worded chapters draw the reader's attention to significant aspects, such as possible causes of failure at the embryo transfer stage, uterine evaluation, mock embryo transfer (ET), experience of the physician, and the use of ultrasound-guidance to monitor ET, that should be taken into account prior to initiating[...]

Features

This concise work on embryo transfer is yet another contribution to the persevering effort to disseminate latest information on the science and skill of performing an atraumatic and successful embryo transfer, the most critical culmination of the assisted reproductive technology (ART) stimulation cycle, and a rate-limiting step in dictating the success of treatment. The well-worded chapters draw the [...]

Contents

Evaluation of the uterus prior to embryo transfer.-Mock embryo transfer.- Does the experience of the provider affect pregnancy rates after embryo transfer? -Ultrasound-guided embryo transfers or clinical touch embryo transfers? -Variables that affect a successful embryo transfer.-How to deal with a difficult transfer._Facts and myths of embryo transfer.-Uterine peristalsis and embryo transfers._Embryo transfer media & catheters.- Is there a role for tubal transfer -Hysteroscopy guided embryo transfers.

Fields of interest

Reproductive Medicine; Gynecology; Obstetrics / Perinatology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-81-322-1114-3

Hardcover

2014. Approx. 200 p. 30 illus., 15 illus. in color. ISBN 978-81-322-1114-3

Due: June 30, 2014

K.C. Meyer, University of Wisconsin, Madison, USA; S.D. Nathan, Inova Fairfax Hospital, Falls Church, USA (Eds.)

Idiopathic Pulmonary Fibrosis

A Comprehensive Clinical Guide

Idiopathic Pulmonary Fibrosis: A Comprehensive Clinical Guide delivers a concise review of our current understanding of disease pathogenesis and provides current evidence in the medical literature regarding its diagnosis and management. Each chapter includes key points and a summary aiming to update clinicians about various issues concerning the diagnosis and management of IPF. In addition to outlining the current state of knowledge, each chapter also provides a summary of ongoing research and identifies the needs for future research in the field. Idiopathic Pulmonary Fibrosis: A Comprehensive Clinical Guide is an important new text that provides its readers with a better[...]

Features

Idiopathic Pulmonary Fibrosis: A Comprehensive Clinical Guide delivers a concise review of our current understanding of disease pathogenesis and provides current evidence in the medical literature regarding its diagnosis and management. Each chapter includes key points and a summary aiming to update clinicians about various issues concerning the diagnosis and management of IPF. In addition to [...]

Contents

Chapter 1: Idiopathic Pulmonary Fibrosis: A Historical Perspective.- Chapter 2: Idiopathic Pulmonary Fibrosis: The Epidemiology and Natural History of Disease.- Chapter 3: Histopathology of IPF and Related Disorders.- Chapter 4: Imaging of Idiopathic Pulmonary Fibrosis.- Chapter 5: The Keys to Making a Confident Diagnosis of IPF.- Chapter 6: Pulmonary Function Tests in Idiopathic Pulmonary Fibrosis.- Chapter 7: The Role of Adaptive Immunity in Idiopathic Pulmonary Fibrosis: Hiding in Plain Sight.- Chapter 8: Mechanisms of Fibrosis in IPF.- Chapter 9: The Emerging Genetics of[...]

Fields of interest

Pneumology/Respiratory System; Internal Medicine; Primary Care Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-62703-681-8

Hardcover

2014. XV, 454 p. 87 illus., 56 illus. in color. (Respiratory Medicine, Vol. 9) ISBN 978-1-62703-681-8

Due: October 31, 2013

R.L. Bard, Bard Cancer Center, New York, USA; J. Fütterer, Radboud University, HB Nijmegen, Netherlands; D. Sperling, Sperling Prostate Center, New York, USA (Eds.)

Image Guided Prostate Cancer Treatments

Image-Guided Prostate Cancer Treatments is a comprehensive reference and practical guide on the technology and application of ultrasound and MRI in the male pelvis, with special attention to the prostate. The book is organized into three main sections, the first of which is devoted to general aspects of imaging and image-guided treatments. The second section provides a systematic overview of the application of ultrasound and MRI to the diagnosis and treatment of diseases of the lower urinary tract. Performance of the ultrasound and MRI studies is explained, and the normal and abnormal pathological anatomy is reviewed. Correlation with the ultrasound in the same plane is provided to[...]

Features

Image-Guided Prostate Cancer Treatments is a comprehensive reference and practical guide on the technology and application of ultrasound and MRI in the male pelvis, with special attention to the prostate. The book is organized into three main sections, the first of which is devoted to general aspects of imaging and image-guided treatments. The second section provides a systematic overview of the application of [...]

Contents

Radiologic Introduction.- Urologic Introduction.- Medical Oncology Introduction.- Basic Principles: Scope of Prostate Cancer.- MRI of the Prostate.- Benign Disease.- Intraprostatic Cancer.- Localized Extraprostatic Cancer.- Nodal Cancer.- The Treated Gland.- Case Studies with Multimodality Diagnostic Imaging.- Case Studies with Image Guided Treatments.- Medical Oncology and Imaging.- MRI Thermocoupling and Laser Tumor Ablation.- New Robot and Cybernetic Image Guided Technologies.- Long Term Follow-Up.- Minimally Invasive Treatment of Benign Prostate Hypertrophy.

Fields of interest

Imaging / Radiology; Ultrasound; Oncology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-40428-3

Hardcover

2014. XII, 250 p. 144 illus., 128 illus. in color. ISBN 978-3-642-40428-3

Due: November 30, 2013

A. Pinto, AORN A. Cardarelli, Naples, Italy; L. Romano, Ospedale Cardarelli, Napoli, Italy (Eds.)

Imaging of Foreign Bodies

Most ingested foreign bodies pass through the gastrointestinal tract without a problem. However, both ingested and inserted foreign bodies may cause bowel obstruction or perforation or lead to severe hemorrhage, abscess formation, or septicemia. Foreign body aspiration is common in children, especially those under 3 years of age, and in these cases chest radiography and CT are the main imaging modalities. This textbook provides a thorough overview of the critical role of diagnostic imaging in the assessment of patients with suspected foreign body ingestion, aspiration, or insertion. A wide range of scenarios are covered, from the common problem of foreign body ingestion or aspiration [...]

Features

Most ingested foreign bodies pass through the gastrointestinal tract without a problem. However, both ingested and inserted foreign bodies may cause serious complications, such as bowel obstruction or perforation. Foreign body aspiration is common in children, especially those under 3 years of age, and in these cases chest radiography and CT are the main imaging modalities. This textbook provides a thorough [...]

Contents

1 Plain film and MDCT assessment of neck foreign bodies.- 2 Foreign bodies in the tracheobronchial tree.- 3 Foreign bodies of the gastrointestinal tract.- 4 Intra-abdominal foreign bodies: gossypiboma and abdominal wall meshes.- 5 Abdominal compartment syndrome due to hepatic packing.- 6 Foreign bodies as complications of biliary stents and gastrointestinal stents.- 7 Endovascular foreign bodies.- 8 Foreign bodies as complications of endovascular devices.- 9 Retained intracranial and intraspinal foreign bodies.- 10 Role of magnetic resonance imaging in diagnosing foreign bodies.- 11 [...]

Fields of interest

Imaging / Radiology; Diagnostic Radiology; Emergency Medicine; Interventional Radiology; Gastroenterology; Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-88-470-5405-9

Hardcover

2014. V, 156 p. 87 illus., 22 illus. in color.
ISBN 978-88-470-5405-9

Due: September 30, 2013

C.V. Albanese, Università Roma, La Sapienza, Roma, Italy; C. Faletti, Citta' della Salute e della Scienza, Torino, Italy (Eds.)

Imaging of Prosthetic Joints

A Combined Radiological and Clinical Perspective

An increasing percentage of the population has at least one prosthetic joint. Imaging is required for both initial assessment and routine follow-up of the implant, and this book is intended as an informative and up-to-date guide to the subject. After an introductory section covering a range of background topics, the level of information offered by different imaging techniques in presurgical planning and postimplantation assessment is analyzed. The application of imaging to different joints is then carefully explored in chapters devoted to the foot and ankle, hip, knee, shoulder, and elbow, wrist and hand. In addition, two innovative chapters focus on periprosthetic DXA as the gold [...]

Features

An increasing percentage of the population has at least one prosthetic joint. Imaging is required for both initial assessment and routine follow-up of the implant, and this book is intended as an informative and up-to-date guide to the subject. After an introductory section covering a range of background topics, the level of information offered by different imaging techniques in presurgical planning and [...]

Contents

SECTION I Cellular elements, bone matrix, bone remodeling, osseointegration, implant material.- 1 Bone cells.- 2 Bone matrix proteins and mineralization process.- 3 Bone remodeling.- 4 Biomechanics and prosthetic osseointegration.- 5 Implant material.- SECTION II Images techniques, conventional RX, TC, RM, bone scintigraphy, periprosthetic DXA.- 6 Role of conventional RX, CT and MRI in the evaluation of prosthetic joints.- 7 Role of Nuclear Medicine in prosthesis surveillance.- 8 Periprosthetic DXA.- SECTION III Prosthetic joints of foot and ankle, hip, knee, shoulder, elbow, wrist [...]

Fields of interest

Imaging / Radiology; Orthopedics

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-88-470-5482-0

Hardcover

2014. VI, 228 p. 82 illus., 48 illus. in color.
ISBN 978-88-470-5482-0

Due: September 30, 2013

P. Paolantonio, San Giovanni Hospital, Roma, Italy; C. Dromain, Institut de Cancerologie Gustav Roussy, Villejuif - Paris, France

Imaging of Small Bowel, Colon and Rectum

The new series A-Z Notes in Radiological Practice and Reporting provides practical guides for residents and general radiologists, organized alphabetically, primarily according to disease or condition. All booklets are designed so as to cover a large spectrum of topics referring to different anatomical regions of interest. Entries typically include a short description of pathological and clinical characteristics, guidance on selection of the most appropriate imaging technique, a schematic review of potential diagnostic clues, and useful tips and tricks. The present booklet, enriched by illustrations and schemes, is devoted to gastrointestinal imaging. Major topics in CT and MR [...]

Features

The new series A-Z Notes in Radiological Practice and Reporting provides practical guides for residents and general radiologists, organized alphabetically, primarily according to disease or condition. All booklets are designed so as to cover a large spectrum of topics referring to different anatomical regions of interest. Entries typically include a short description of [...]

Contents

From A to Z Glossary.- References.

Fields of interest

Imaging / Radiology; Gastroenterology

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-88-470-5488-2

Softcover

2014. XIII, 182 p. 26 illus., 7 illus. in color. (A-Z Notes in Radiological Practice and Reporting)
ISBN 978-88-470-5488-2

Due: October 31, 2013

M. Tonolini, "Luigi Sacco" Hospital of Milan, Italy, Milan, Italy (Ed.)

Imaging of Ulcerative Colitis

During the past decade, the medical and surgical treatment of ulcerative colitis has undergone dramatic advances, including the widespread use of immunomodulators, biological drugs, and restorative proctocolectomy. In order to correctly balance the risks and benefits of medical therapies and surgical procedures, there is a need for improved diagnosis of colonic disease, acute complications, extraintestinal manifestations, and early and delayed postoperative complications. Cross-sectional imaging techniques are therefore playing an increasing role in the assessment of ulcerative colitis and provide an essential complement to clinical data and endoscopy. This practical, illustrated[...]

Features

During the past decade, the medical and surgical treatment of ulcerative colitis has undergone dramatic advances, including the widespread use of immunomodulators, biological drugs, and restorative proctocolectomy. In order to correctly balance the risks and benefits of medical therapies and surgical procedures, there is a need for improved diagnosis of colonic disease, acute complications, extraintestinal [...]

Contents

1 Introduction.- 2 Medical Needs.- 3 Intestinal Ultrasound in Ulcerative Colitis.- 4 Water-contrast Multidetector CT Colonography: Technique, Role, and Imaging Findings in Ulcerative Colitis.- 5 Magnetic Resonance Imaging (MRI) of Ulcerative Colitis.- 6 Radiographic and CT Imaging Assessment of Acute Exacerbations and Surgical Complications.- 7 Cross-sectional Imaging Mimics of Ulcerative Colitis.- 8 Hepato-bilio-pancreatic Complications of Ulcerative Colitis.- 9 Vascular complications of Ulcerative Colitis.- 10 Neoplasms in ulcerative colitis.- 11 Musculo-skeletal Manifestations of[...]

Fields of interest

Imaging / Radiology; Diagnostic Radiology; Gastroenterology; Proctology; Abdominal Surgery

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-88-470-5408-0

Hardcover

2014. VII, 155 p. 79 illus., 11 illus. in color.
ISBN 978-88-470-5408-0

Due: November 30, 2013

A. Massoud, Tehran University of Medical Sciences, Tehran, Iran;
N. Rezaei, Tehran University of Medical Sciences, Tehran, Iran
(Eds.)

Immunology of Ageing

The rapidity of scientific progress over the last few years guarantees the utility of this new collection of state-of-the-art reviews on the immunology of ageing, which is the result of extensive collaboration of more than sixty of the greatest thinkers and scholars in the field, in cooperation with a number of junior colleagues. The book summarizes current knowledge on the cellular and molecular aspects of the ageing immune system and their clinical relevance, providing insights into the effects of the ageing process on susceptibilities to those diseases most common among elders. The retrieval strategies used to slow down the decline in the immune system in the elderly are another[...]

Features

The rapidity of scientific progress over the last few years guarantees the utility of a new collection of state-of-the-art reviews on the immunology of ageing. The aim of this authoritative book is to summarize current knowledge on the cellular and molecular aspects of the ageing immune system and their clinical relevance. The book is a result of extensive collaboration of more than sixty of the greatest [...]

Contents

An Introduction on the old age and ageing of the immune system.- The immune system, a marker and modulator of the rate of ageing.- Age-associated alterations of pleiotropic stem cell and the therapeutic implication of stem cell therapy in ageing.- A role for epigenetic modulation of the innate immune response during ageing.- Basophil, eosinophil and neutrophil functions in the elderly.- Dendritic cells and dysregulated immunity in the elderly.- Natural killer cell immunosenescence and cancer in the elderly.- Pattern recognition receptors and ageing.- Impact of ageing on T cell[...]

Fields of interest

Infectious Diseases; Geriatrics / Gerontology; Immunology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-39494-2

Hardcover

2014. XVI, 450 p. 31 illus., 29 illus. in color.
ISBN 978-3-642-39494-2

Due: November 30, 2013

E.R. Weissenbacher, Klinikum der LMU München - Großhadern, München, Germany

Immunology of the Female Genital Tract

This book systematically reviews and discusses recent studies and articles on the immunology of female genital tract tissue. The scope is broad, encompassing innate immune responses, adaptive (humoral and cell-mediated) immunity, the immunology of menstruation, the immunology of viral and bacterial infections, the immunology of normal and abnormal pregnancy, and immunological infertility. Throughout, tables and illustrations are judiciously used to facilitate understanding. Immunology of the Female Genital Tract will serve as an invaluable source of up-to-date information for all with an interest in this subject.

Features

The mucosal immune system in the female reproductive tract has evolved to meet the unique requirements deriving from the need to deal with sexually transmitted bacterial and viral pathogens, allogeneic spermatozoa, and the immunologically distinct fetus. Despite years of immunologic investigation, the mechanisms that regulate this mucosal immune system have received relatively little attention. This is due to [...]

Contents

Fundamentals of immunology: Concepts of innate and specific immunity.- Mucosal immunology.- General immunology of the genital tract: Distinct features of the genital mucosal tissue.- Functions and regulation of innate immune responses in the human reproductive tract.- Functions and regulation of adaptive humoral and cell-mediated immunity in the female genital tract.- Immunization studies.- Immunology of menstruation - menstruation as an inflammatory process.- Immunology of genital tract infections: Viral infections of the genital tract.- Bacterial infections of the genital tract.-[...]

Fields of interest

Gynecology; Immunology; Dermatology; Urology / Andrology; Obstetrics / Perinatology; Maternal and Child Health

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-14905-4

Hardcover

2014. XV, 245 p. 26 illus., 19 illus. in color.
ISBN 978-3-642-14905-4

Due: November 30, 2013

J.T. Brougher, Center for Health Decision Science, Boston, USA

Intellectual Property and Health Technologies

Balancing Innovation and the Public's Health

Intellectual Property and Health Technologies Balancing Innovation and the Public's Health Joanna T. Brougher, Esq., MPH At first glance, ownership of intellectual property seems straightforward: the control over an invention or idea. But with the recent explosion of new scientific discoveries poised to transform public health and healthcare systems, costly and lengthy patent disputes threaten both to undermine the attempts to develop new medical technologies and to keep potentially life-saving treatments from patients who need them. Intellectual Property and Health Technologies grounds readers in patent law and explores how scientific research and enterprise are evolving in response.[...]

Features

Intellectual Property and Health Technologies Balancing Innovation and the Public's Health Joanna T. Brougher, Esq., MPH At first glance, ownership of intellectual property seems straightforward: the control over an invention or idea. But with the recent explosion of new scientific discoveries poised to transform public health and healthcare systems, costly and [...]

Contents

Chapter 1 Introduction to Intellectual Property.-Chapter 2 Obtaining, Enforcing and Defending Patents.-Chapter 3 The Patent- Eligibility of Genes.-Chapter 4 Medical Procedure Patents.-Chapter 5 Rights and Roles of Universities and Inventors.-Chapter 6 Drug Development: Balancing Innovation, Access and Profits.-Chapter 7 Patent Battles-Small-Molecule Drugs.-Chapter 8 Biologics and Biosimilars: Balancing Access and Innovation.-Chapter 9 International Patent Law, Trade Law, and Access to Drugs.

Fields of interest

Public Health; Biomedicine (general); Medical Law

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-1-4614-8201-7

Hardcover

2014. XV, 212 p. 8 illus.
ISBN 978-1-4614-8201-7

Due: September 30, 2013

S. Narouze (Ed.)

Interventional Management of Head and Face Pain

Nerve Blocks and Beyond

The rise of effective interventions has provided treatment options for medically resistant headache, which affects about 20% of the several million headache sufferers. Over the last three years, the medical literature has provided increasing support for interventional management of head and face pain, ranging from nerve blocks and radiofrequency ablation to electric stimulation and neuromodulation. This will be the first book on the interventional management of head and face pain. Internationally recognized leaders in headache medicine will edit and contribute to the book, which will take an extremely practical approach and provide heavily illustrated step-by-step guidance on the[...]

Features

The rise of effective interventions has provided treatment options for medically resistant headache, which affects about 20% of the several million headache sufferers. Over the last three years, the medical literature has provided increasing support for interventional management of head and face pain, ranging from nerve blocks and radiofrequency ablation to electric stimulation and [...]

Contents

1. Headache.- 2. Indications for Interventional Management.- 3. Procedures.- 4. Biofeedback and Coping Skills.

Fields of interest

Medicine (general); Pain Medicine; Neurology; Anesthesiology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8950-4

Hardcover

2014. 250 p. 300 illus., 225 illus. in color.
ISBN 978-1-4614-8950-4

Due: December 29, 2013

A. Yevzlin, University of Wisconsin, Madison, Madison, USA; A. Asif, Albany Medical College, Albany, USA; L. Salman, University of Miami Miller School of Med, Miami, USA (Eds.)

Interventional Nephrology

Principles and Practice

Interventional Nephrology: Principles and Practice describes a very direct approach to clinical problems encountered by the community of care providers who treat chronic kidney disease and dialysis patients. Practical scenarios faced on a day-to-day basis are presented by experts in the field utilizing the latest scientific information. In addition to internal medicine residents, nephrology fellows and practitioners, this comprehensive and useful resource is a must-have for the allied health professionals taking care of patients with hemodialysis and peritoneal dialysis access problems.

Features

Historically, dialysis access care has been delegated to a variety of specialists, resulting in fragmentation of care delivery. Interventional Nephrology (IN) is an emerging subspecialty of Nephrology that focuses on providing continuity of clinical and procedural care to chronic kidney disease and dialysis patients. The procedures of IN include renal ultrasonography, placement and removal of hemodialysis [...]

Contents

1. Pre-operative Evaluation--History.- 2. Pre-operative Evaluation--Physical Examination.- 3. Admission After Intervention--When and Why.- 4. Communicating Effectively for Interventional Nephrologists.- 5. Anticoagulants and Thrombolytics.- 6. Non-invasive Screening and Testing for PAD in CKD patients.- 7. Overview of PAD Treatment in the CKD Population: Indications, Medical Strategies, and Endovascular Techniques.- 8. Unconventional Venous Access: Percutaneous Translumbar and Transhepatic Venous Access for Hemodialysis.- 9. Approach to a Non-Functioning Catheter.- 10. Approach to the[...]

Fields of interest

Nephrology; Internal Medicine; Urology / Andrology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8802-6

Hardcover

2014. XVII, 500 p. 179 illus., 67 illus. in color.
ISBN 978-1-4614-8802-6

Due: January 31, 2014

M. Tanaka, Kyushu University, Fukuoka, Japan (Ed.)

Intraductal Papillary Mucinous Neoplasm of the Pancreas

Intraductal papillary mucinous neoplasms (IPMNs) represent an opportunity to treat pancreatic tumors before they develop into aggressive, hard-to-treat cancers. Beginning with morphological classification and its clinical significance, natural history, and malignant change of both main duct and branch duct IPMNs, this book covers the whole field of IPMNs of the pancreas. It reviews the various methods of investigation: imaging, diagnostic investigation of cyst fluid, and those using pancreatic juice; and also examines aspects ranging from the development of malignancy to the timing and method of resection, focusing on both main duct and branch duct IPMNs. Aimed at residents, clinical [...]

Features

Intraductal papillary mucinous neoplasms (IPMNs) represent an opportunity to treat pancreatic tumors before they develop into aggressive, hard-to-treat cancers. Beginning with morphological classification and its clinical significance, natural history, and malignant change of both main duct and branch duct IPMNs, this book covers the whole field of IPMNs of the pancreas. It reviews the various methods of [...]

Contents

PART I Pathophysiology.- Chapter 1 Macroscopic morphological classification and its significance.- Chapter 2 Natural history and malignant change of main duct IPMN.- Chapter 3 Natural history and malignant change of branch duct IPMN.- Chapter 4 Histological subclassification and its clinical significance.- PART II Investigation.- Chapter 5 CT and MRI/MRCP.- Chapter 6 Endosonography.- Chapter 7 Diagnostic Investigation of Pancreatic Cyst Fluid. [...]

Fields of interest

Gastroenterology; Surgical Oncology; Hepatology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-4-431-54471-5

Hardcover

2014. VIII, 204 p. 80 illus., 39 illus. in color.
ISBN 978-4-431-54471-5

Due: October 31, 2013

G. Mankekar, PD Hinduja Hospital, Mumbai, India (Ed.)

Invasive Fungal Rhinosinusitis

Incidence of invasive fungal sinusitis has been increasing over the years. The understanding of its pathophysiology has improved with newer serological tests and diagnostic methods helping in earlier diagnosis and reducing patient morbidity. It was believed earlier that invasive fungal sinusitis is seen only in immune compromised patients but clinical reports suggest otherwise. More anti-fungal drugs are being added to improve incidence of patient survival. This book aims to compile all practical information about invasive fungal sinusitis into a single volume. Therefore, busy clinicians would not have to perform exhaustive literature studies to diagnose invasive fungal sinusitis. The [...]

Features

Incidence of invasive fungal sinusitis has been increasing over the years. The understanding of its pathophysiology has improved with newer serological tests and diagnostic methods helping in earlier diagnosis and reducing patient morbidity. It was believed earlier that invasive fungal sinusitis is seen only in immune compromised patients but clinical reports suggest otherwise. More anti-fungal drugs are [...]

Contents

.-Introduction.-Classification of fungal sinusitis.-Epidemiology, Pathogenesis & risk factors.-Clinical features and diagnosis.-Histopathology of invasive fungal rhinosinusitis.-Microbiology in of invasive fungal rhinosinusitis.-Radiology in invasive fungal sinusitis.-Management of invasive of fungal sinusitis.-Conclusion.-Case studies & differential diagnosis

Fields of interest

Otorhinolaryngology; Infectious Diseases; Internal Medicine; Head and Neck Surgery

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-81-322-1529-5

Hardcover

2014. XI, 93 p. 75 illus., 56 illus. in color.
ISBN 978-81-322-1529-5

Due: September 30, 2013

A.S. Chishti, KY Children's Hospital, Lexington, USA; S. Alam, Cincinnati Children's Hospital Medical C, Cincinnati, USA; S.G. Kiessling, University of Kentucky, Lexington, USA (Eds.)

Kidney and Urinary Tract Diseases in the Newborn

This book provides a comprehensive and up-to-date overview of all key issues related to kidney and urinary tract disease in full-term and premature newborns. Among the many topics addressed are fluid and electrolyte abnormalities, hydronephrosis, urinary tract infection, obstructive uropathy, and renal replacement therapy. The approach throughout is clinically oriented, the aim being to provide the reader with hands-on guidance. Each chapter commences with a clinical case vignette and concludes with a take-home message highlighting key aspects of practical importance. In addition, however, informative reviews of the literature and the basic sciences are included. No other book [...]

Features

This book provides a comprehensive and up-to-date overview of all key issues related to kidney and urinary tract disease in full-term and premature newborns. Among the many topics addressed are fluid and electrolyte abnormalities, hydronephrosis, urinary tract infection, obstructive uropathy, and renal replacement therapy. The approach throughout is clinically oriented, the aim being to provide the reader [...]

Contents

Embryology of the Urinary Tract.- Normal Development of Renal Function of the Newborn.- Fluid and Electrolytes in the Newborn - Special Considerations.- Tools for the Assessment of Renal Function in the Newborn.- Oral and Parenteral Nutrition of the Newborn with Urinary Tract Disease.- Fetal Urology.- Imaging of the Urinary Tract in Newborns.- Urinary Tract Infections.- Hydronephrosis.- Posterior Urethral Valves.- Prune Belly Syndrome.- Structural Abnormalities of the External Genitalia and Urinary Tract.- Structural Abnormalities of the kidney and Ureter.- Neonatal Tumors involving the [...]

Fields of interest

Nephrology; Pediatrics; Urology / Andrology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-39987-9

Hardcover

2014. XII, 378 p. 126 illus., 63 illus. in color.
ISBN 978-3-642-39987-9

Due: October 31, 2013

F. Roberts, C.K. Thum

Lee's Ophthalmic Histopathology

Completely revised and updated, this well-illustrated and practically-oriented text has retained its general layout and style and division into specimen-type based chapters. The visual image remains key to explaining the pathological processes and this is facilitated by full colour photography throughout the text. The book emphasizes pertinent recent advances which augment the morphological study of disease. There is updated information on clinically important aspects, immunohistochemistry, tumour cytogenetics and molecular biology. Illustrations include macro specimens, microscopic specimens and illustrations of additional techniques - immunohistochemistry, molecular analyses and [...]

Features

Completely revised and updated, this well-illustrated and practically-oriented text has retained its general layout and style and division into specimen-type based chapters. The visual image remains key to explaining the pathological processes and this is facilitated by full colour photography throughout the text. The book emphasizes pertinent recent advances which augment the morphological study of [...]

Contents

Examination of the Globe: Technical Aspects.- The Traumatized Eye.- "Absolute Glaucoma".- Retinal Vascular Disease.- Intraocular Tumours.- Ocular Inflammation.- Treatment of Retinal Detachment.- The Malformed Eye.- "Autopsy Eye": the Eye in Systemic Disease.- Biopsy of the Eyelid, the Lacrimal Sac, and the Temporal Artery.- The Conjunctival Biopsy.- The Orbit: Biopsy, Excision Biopsy, and Exenteration Specimens.- The Corneal Disc.- Lens.

Fields of interest

Pathology; Ophthalmology

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-1-4471-2475-7

Hardcover

2014. XXVII, 460 p. 576 illus., 537 illus. in color.
ISBN 978-1-4471-2475-7

Due: October 31, 2013

A. Kolokythas, University of Illinois at Chicago, Chicago, USA (Ed.)

Lip Cancer

Treatment and Reconstruction

This textbook is intended as a comprehensive reference that will provide easy-to-follow and well-organized guidance on the management of lip cancer, from diagnosis to treatment and reconstruction. After discussion of anatomy and premalignant conditions, detailed attention is paid to squamous cell carcinoma of the lip. Surgical management is explained, and the roles of radiation therapy and chemotherapy, discussed. Reconstruction techniques following ablative surgery are then described in depth, with reference to defect size and complexity. In addition, the potential complications of treatment and reconstruction are presented, with advice on their management. The closing chapter [...]

Features

The lip is the most common site of malignancy in the head and neck region. Although high cure rates can be achieved by early treatment, a significant percentage of lip cancers demonstrate aggressive behaviour, posing management difficulties. Given the aesthetic and functional significance of the lip, reconstruction post surgery is also extremely important, yet this, too, can be challenging. [...]

Contents

General Considerations.- Anatomic Considerations.- Premalignant Conditions of the Lip.- Squamous Cell Carcinoma of the Lip.- Squamous Cell Carcinoma-Surgical Management.- Squamous Cell Carcinoma-Radiation Therapy.- Squamous Cell Carcinoma-Chemotherapy.- Reconstruction of Full-Thickness Defects of the Lip.- Reconstruction Considerations Based on Size of Defect.- Reconstruction of Complex Defects.- Vascularized Flap Reconstruction.- Complications Associated with Treatment of Lip Cancer.- Complications Associated with Reconstruction of Lip Defects.- Complications Associated with Radiotherapy.

Fields of interest

Oral and Maxillofacial Surgery; Oncology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-38179-9

Hardcover

2014. VIII, 160 p. 99 illus., 97 illus. in color.
ISBN 978-3-642-38179-9

Due: October 31, 2013

J. Steel, University of Pittsburgh, Pittsburgh, USA (Ed.)

Living Donor Advocacy

An Evolving Role Within Transplantation

The inadequate supply of organs in the United States and other countries continues to drive the reliance on living donor transplantation. In 2000, representatives of the transplant community convened for a meeting on living donation in an effort to provide guidelines to promote the welfare of living donors. The consensus statement that resulted from this meeting recommended that transplant centers retain an Independent Living Donor Advocate (ILDA) to focus on the best interest of the donor. A decade later, nearly every transplant center in the United States, performing living donor surgeries, has incorporated an ILDA into their living donor screening and/or evaluation process Living [...]

Features

The inadequate supply of organs in the United States and other countries continues to drive the reliance on living donor transplantation. Representatives of the transplant community convened for a meeting on living donation in an effort to provide guidelines to promote the welfare of living donors.

The consensus statement that resulted from this meeting recommended that transplant centers retain [...]

Contents

Part I: Living Donation: Chapter 1: The Medical Selection of Live Donors.- Chapter 2: Kidney Paired Donation Programs for Incompatible Living Kidney Donors and Recipients.- Chapter 3: Living Donor Liver Transplantation.- Chapter 4: Intestinal Transplantation from Living Donors.- Chapter 5: Living Donor Lung Transplantation.- Chapter 6: Live Donor Pancreas Transplantation.- Part II: Living Donor Advocacy: Chapter 7: The History of Living Donor Advocacy in Living Donor Transplantation.- Chapter 8: Findings from a National Survey of Living Donor Advocates.- Chapter 9: The Independent Donor [...]

Fields of interest

Transplant Surgery; Medicine (general); Nephrology; Hepatology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-9142-2

Softcover

2014. X, 346 p. 44 illus., 29 illus. in color.
ISBN 978-1-4614-9142-2

Due: November 30, 2013

B.J. Coventry, University of Adelaide, Adelaide, Australia (Ed.)

Lower Abdominal and Perineal Surgery

Written by internationally acclaimed specialists, Lower Abdominal and Perineal Surgery provides pertinent and concise procedure descriptions spanning benign and malignant problems and minimally invasive procedures. Complications are reviewed when appropriate for the organ system and problem, creating a book that is both comprehensive and accessible. Stages of operative approaches with relevant technical considerations are outlined in an easily understandable manner. Forming part of the series, Surgery: Complications, Risks and Consequences, this volume Lower Abdominal and Perineal Surgery provides a valuable resource for all general surgeons and residents in training. Other[...]

Features

Written by internationally acclaimed specialists, Lower Abdominal and Perineal Surgery provides pertinent and concise procedure descriptions spanning benign and malignant problems and minimally invasive procedures. Complications are reviewed when appropriate for the organ system and problem, creating a book that is both comprehensive and accessible. Stages of operative approaches with relevant [...]

Contents

Introduction.- Colorectal Surgery.- Anal Surgery.- Pilonidal Sinus Surgery.- Penile, Scrotal, Testicular Surgery.

Fields of interest

Surgery; Abdominal Surgery; General Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5468-6

Hardcover

2014. XIII, 130 p. 2 illus. in color. (Surgery: Complications, Risks and Consequences)
ISBN 978-1-4471-5468-6

Due: November 30, 2013

I. Carrio, Autonomous University of Barcelona, Barcelona, Spain; P. Ros, University Hospitals Case Medical Center, Cleveland, USA (Eds.)

MRI-PET

Methodology and Clinical Applications

In compiling this textbook on the exciting novel imaging modality of MRI-PET, the editors have brought together a truly international group of experts in the field. The book is divided into two parts. The first part covers methodology and equipment and includes chapters on basic molecular medicine, contrast agents, MR attenuation and validation, and quantitative MRI and PET motion correction. The second part of the book focuses on clinical applications in oncology, cardiology, and neurology. Imaging of major neoplasms is covered in a series of individual chapters. Further chapters address functional and metabolic cardiovascular examinations and major central nervous system [...]

Features

MRI-PET is an exciting novel diagnostic imaging modality that combines the precise anatomic and physiologic information provided by magnetic resonance imaging (MRI) with the molecular data obtained with positron emission tomography (PET). MRI-PET offers the promise of a simplified workflow, reduced radiation, whole-body imaging with superior soft tissue contrast, and time of flight physiologic information. [...]

Contents

PET/MR system design.- Image distortions in clinical PET/MR imaging.- Workflow and Practical Logistics.- MR-PET in Breast Cancer.- PET/MRI in Evaluating Lymphomas.- PET-MRI of the Liver.- PET/MR IN COLORECTAL CANCER PET/MR in Brain Imaging.- MR-PET in Cardiology.- Risks and safety aspects of MR-PET.- Health care costs and impacts.

Fields of interest

Imaging / Radiology; Nuclear Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-40691-1

Hardcover

2014. XII, 145 p. 60 illus., 48 illus. in color.
ISBN 978-3-642-40691-1

Due: November 30, 2013

C.R. Chapple, The Royal Hallamshire Hospital, Sheffield, United Kingdom; A. Tubaro, Sant'Andrea Hospital, Rome, Italy (Eds.)

Male LUTS/BPH Made Easy

Benign prostatic enlargement (BPE) is one of the most common diseases in older men and it is caused by an histopathological condition called "benign prostatic hyperplasia (BPH). Clinical manifestations of BPH include symptoms, signs and sequelae of bladder outlet obstruction caused by the enlarged prostate. Although no longer life-threatening, the prevalence of moderate-to-severe urinary symptoms in the community is high, increasing from 22% among men aging 50-59 years to 45% among those in the seventh decade of life. Male LUTS/BPH Made Easy is a full-color comprehensive reference on the management of lower urinary tract symptoms (LUTS) due to Benign Prostatic Enlargement [...]

Features

Male LUTS/BPH Made Easy is an up-to-date comprehensive reference on the management of Lower Urinary Tract Symptoms (LUTS) due to Benign Prostatic Enlargement (BPE), which incorporates all of the key issues in the field of management of male lower urinary tract symptoms and benign prostatic disease. Male LUTS/BPH Made Easy aims to update the reader on the most current treatments [...]

Contents

1. History of LUTS/BPO and Evolution of Concepts and Terminology.- 2. Epidemiology and Pathophysiology of LUTS/BPO.- 3. Assessing LUTS/BPO: What Is The Evidence?.- 4. Treatment Algorithms: When to Treat and Whom?.- 5. Medical Treatment of LUTS/BPH.- 6. Open Prostatectomy and Standard Endosurgery.- 7. Surgical Treatment: Lasers and Techniques.- 8. Emerging Treatments of BPH.- 9. Managing the Complex/Difficult Cases.

Fields of interest

Medicine (general); Urology / Andrology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-4687-2

Softcover

2014. VIII, 164 p. 26 illus., 7 illus. in color.
ISBN 978-1-4471-4687-2

Due: September 30, 2013

W.R. Smith, Swedish Hospital, Englewood, USA; P.F. Stahel, Denver Health Medical Center, Denver, USA (Eds.)

Management of Musculoskeletal Injuries in the Trauma Patient

Management of Musculoskeletal Injuries in the Trauma Patient summarizes the most current concepts and clinical practices for the management of the patient with musculoskeletal traumatic injuries. The text covers optimal time frames for stabilization of orthopedic injuries and strategies to mitigate systemic injury while minimizing damage due to pelvic, spine and long bone trauma. The volume covers the gamut of traumatic axial and extremity injuries, including cervico-lumbar-thoracic spine injuries, spinal cord injuries, long bone fractures with special emphasis on the femoral shaft, pelvic and acetabular injuries, open fractures, mangled extremities, upper extremity injuries, [...]

Features

Management of Musculoskeletal Injuries in the Trauma Patient summarizes the most current concepts and clinical practices for the management of the patient with musculoskeletal traumatic injuries. The text covers optimal time frames for stabilization of orthopedic injuries and strategies to mitigate systemic injury while minimizing damage due to pelvic, spine and long bone trauma. The volume covers [...]

Contents

Musculoskeletal Injury.- Perioperative Management.- The Pediatric Patient.- Management of Injuries in the Geriatric Trauma Patient.- The Multiply Injured Patient.- Femur Fractures.- Pelvic Fractures.- Spine Fractures.- Open Fractures and Limb Salvage.- Compartment Syndrome.- Closed Fractures and Dislocations.- Shock and Coagulopathy.- Closed Head Injury.- Chest Trauma and Lung Contusions.- Abdominal Compartment Syndrome and the Open Abdomen.- Epilogue.

Fields of interest

Surgical Orthopedics; General Surgery; Traumatic Surgery; Vascular Surgery; Intensive / Critical Care Medicine; Transplant Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8550-6

Hardcover

2014. XII, 380 p. 142 illus., 80 illus. in color.

ISBN 978-1-4614-8550-6

Due: November 30, 2013

E. RAYMOND, Bichat-Beaujon University Hospitals, Clichy cedex, France; S. Faivre, Bichat-Beaujon University Hospitals, Clichy cedex, France; P. Ruzsniowski, Bichat-Beaujon University Hospitals, Clichy cedex, France (Eds.)

Management of Neuroendocrine Tumors of the Pancreas and Digestive Tract

From Surgery to Targeted Therapies: A Multidisciplinary Approach

Neuroendocrine tumors (NETs) rank among the most prevalent malignancies of the digestive tract. The indolence of digestive NETs often leads to their only being discovered at advanced stages, resulting in multiple liver metastases. Although surgical resections may successfully treat localized diseases, advanced stages require complex multimodal care. Centers of excellence in the management of NET employ a variety of approaches, from liver directed therapies and symptomatic approaches to using systemic chemotherapy and targeted agents to slow tumor progression, achieving sustainable survival while preserving quality of life. This book has been written by international experts in the [...]

Features

Neuroendocrine tumors (NETs) rank among the most prevalent malignancies of the digestive tract. The indolence of digestive NETs often leads to their only being discovered at advanced stages, resulting in multiple liver metastases. Although surgical resections may successfully treat localized diseases, advanced stages require complex multimodal care. Centers of excellence in the management of NET employ a [...]

Contents

Fields of interest

Oncology; Surgical Oncology; Gastroenterology; Endocrinology; Radiotherapy

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-2-8178-0429-3

Hardcover

2014. Approx. 300 p. 70 illus., 20 illus. in color.

ISBN 978-2-8178-0429-3

Due: December 23, 2013

E. Vieta, University of Barcelona, Barcelona, Spain

Managing Bipolar Disorder in Clinical Practice

Written by Eduard Vieta, a world renowned award winning expert in this field, *Managing Bipolar Disorder in Clinical Practice, Third Edition*, is an up-to-date, concise practical handbook developed with the clinician in mind. Including the most recent clinical guidelines, including the British Association for Psychopharmacology (BAP) and Canadian Network for Mood and Anxiety Treatments (CANMAT) guidelines, this handbook is intended to highlight every major aspect of this serious mental health disorder, including assessment, treatment, long-term management, and recent developments.

Features

Written by Eduard Vieta, a world renowned award winning expert in this field, *Managing Bipolar Disorder in Clinical Practice, Third Edition*, is an up-to-date, concise practical handbook developed with the clinician in mind. Including the most recent clinical guidelines, including the British Association for Psychopharmacology (BAP) and Canadian Network for Mood and Anxiety Treatments (CANMAT) guidelines, this [...]

Contents

Overview of bipolar disorder.- Psychosocial consequences.- Etiology and disease course.- Assessment and diagnosis.- Suicide risk.- Overview of management options.- Pharmacological management of depressive episodes.- Pharmacological management of manic episodes.- Treatment-resistant bipolar disorder.- Psychosocial interventions.

Fields of interest

Psychiatry; Psychopharmacology; Behavioral Therapy; Primary Care Medicine; General Practice / Family Medicine; Psychotherapy

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-1-908517-73-9

Softcover

2014. Approx. 150 p. 17 illus., 7 illus. in color.

ISBN 978-1-908517-73-9

Due: December 15, 2013

S. Booth, Cambridge University Hospital NHS Trust, Cambridge, United Kingdom; J. Burkin, Cambridge University Hospital NHS Trust, Cambridge, United Kingdom; C. Moffat, Cambridge University Hospital NHS Trust, Cambridge, United Kingdom; A. Spathis, Cambridge University Hospital NHS Trust, Cambridge, United Kingdom

Managing Breathlessness in Clinical Practice

Breathlessness is increasingly recognised as a common, disabling symptom of many advanced diseases and one that is very difficult to treat. There is now an understanding that a multi-disciplinary approach to management can make a significant impact on the severity of the symptom improving both the patient's and their carers' quality of life. Breathlessness is one of the most difficult conditions that palliative care (and other clinicians who care for patients with advanced disease) have to treat. With the improvements in pain control, it is possibly now the most difficult symptom for clinicians to manage: many feel frustrated at not being able to give their patients better care. Many[...]

Features

Breathlessness Management in Clinical Practice presents evidence-based practical techniques for helping the breathless patient with advanced disease of any aetiology used in the Cambridge Breathlessness Intervention Service (CBIS). This book will help individuals in the multidisciplinary team both manage breathlessness in their current clinical setting and describe the breathlessness service model [...]

Contents

1. What is breathlessness and how is it caused? - 2. First assessment. - 3. Helping carers. - 4. Core non-pharmacological interventions. - 5. Pharmacological Interventions. - 6. End of life care for breathless patients. - 7. Problem solving. - 8. Communicating with other services. - 9. Discharging end of life liaison with other services. - 10. Evaluating your service. - 11. Practical tips. - 12. Place of breathlessness. - 13. Intervention services with other services.

Fields of interest

Pneumology/Respiratory System; Oncology; Cardiology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4471-4753-4

Softcover

2014. XVII, 263 p. 32 illus., 22 illus. in color.
ISBN 978-1-4471-4753-4

Due: October 31, 2013

R. Russell, Imperial College, London, United Kingdom; P. Ford, Imperial College, London, United Kingdom; P.J. Barnes, Imperial College, London, United Kingdom; S. Russell, Hospice of St Francis, Berkhamsted, United Kingdom

Managing COPD

The book 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. This is an in-depth guide on the management of COPD, concentrating on the impact of COPD on a patient as well as how healthcare professionals can intervene and educate the patient at an early stage and thereby slow the onset of severe symptoms.

Features

The book 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. This is an in-depth guide on the management of COPD, concentrating on the impact of COPD on a patient as well as how healthcare professionals can intervene and educate the patient at an early stage and thereby slow the onset of [...]

Contents

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

Fields of interest

Pneumology/Respiratory System; Pharmacotherapy; Transplant Surgery

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-1-908517-69-2

Softcover

2014. X, 94 p. 17 illus., 14 illus. in color.
ISBN 978-1-908517-69-2

Due: December 15, 2013

L. Ratnam, St. George's Hospital, London, United Kingdom; U. Patel, St. George's Hospital, London, United Kingdom; A.M. Belli, St. George's Hospital, London, United Kingdom (Eds.)

Managing Common Interventional Radiology Complications

A Case Based Approach

This book provides an easy-to-use manual that will help trainee and practising interventional radiologists by providing cases which cover most of the complications that a general interventionalist may encounter in normal practice. There will be 40-50 cases. The cases will be presented succinctly but thoroughly, such that the reader is equipped to manage the complication immediately. At least 50% of cases will be from District General Hospital Consultants.

Features

Managing Common Interventional Radiology Complications: A Case Based Approach is an easy-to-use manual that will help trainees and practising radiologists by providing cases which cover most of the complications that a general interventionalist may encounter in normal practice. The cases are presented succinctly but thoroughly, so that the reader is equipped to manage the complication [...]

Contents

1. Embolisation coil trapped in the side hole of a catheter.- 2. Retrieval of an intravascular foreign body in the venous system.- 3. Migrated Superior Vena Cava Stent Repositioned using a Balloon and Loop Snare Combination.- 4. Retrieval of Central Venous Catheter fragment following Portacath Removal.- 5. Central Venous Catheter Inserted Into the Mediastinum.- 6. Femoral artery pseudoaneurysm treated with percutaneous thrombin injection.- 7. Superficial Femoral Artery Thrombosis Post Angioplasty.- 8. Superficial Femoral Artery Rupture Following Angioplasty.- 9. Distal embolization[...]

Fields of interest

Interventional Radiology; Imaging / Radiology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4471-5501-0

Softcover

2014. XVI, 270 p. 71 illus., 7 illus. in color.
ISBN 978-1-4471-5501-0

Due: November 30, 2013

M. Haase, Otto von Guericke University Magdeburg, Magdeburg, Germany; A. Haase-Fielitz, Otto von Guericke University Magdeburg, Magdeburg, Germany (Eds.)

Managing Renal Injury in the Elderly Patient

As the number of people aged 65 years and above rises, physicians are increasingly confronted by elderly patients with impaired renal function, altered drug metabolism, and multiple comorbidities. This book examines in detail the nature of renal injury in the elderly and its optimal management. A wide range of key topics are covered, including end-stage renal disease, diabetic nephropathy, acute kidney injury, drug metabolism and renal toxicity, dialysis and its complications, and the use of renal transplantation. In addition, the assessment of glomerular filtration rate in the elderly and the role of novel renal biomarkers are carefully examined. Quality of life issues, the [...]

Features

As the number of people aged 65 years and above rises, physicians are increasingly confronted by elderly patients with impaired renal function, altered drug metabolism, and multiple comorbidities. This book examines in detail the nature of renal injury in the elderly and its optimal management. A wide range of key topics are covered, including end-stage renal disease, diabetic nephropathy, acute kidney injury, [...]

Contents

The aging population/ Elderly with end-stage renal disease.- Assessing GFR in the Elderly (equations, markers).- Role of (novel) renal biomarkers in the Elderly.- Diabetic nephropathy in the Elderly.- Drug metabolism, dosing and renal toxicity in Elderly Patients.- Acute Kidney Injury in the Elderly.- Dialysis in the Elderly (choice of appropriate mode, withhold dialysis and the role of nondialytic therapy).- Typical complications before, during and after dialysis initiation.- Renal transplantation in older patients- is it still worth?.- Quality of life and functional status.- Further[...]

Fields of interest

Nephrology; Cardiology; Intensive / Critical Care Medicine; General Practice / Family Medicine; Pharmacology / Toxicology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-39946-6

Hardcover

2014. VII, 100 p. 9 illus., 6 illus. in color.
ISBN 978-3-642-39946-6

Due: November 30, 2013

F. Laroche, Saint-Antoine University Hospital, Paris, France; S. Perrot, Hôtel-Dieu Hospital Pain Clinic, Paris, France (Eds.)

Managing Sciatica and Radicular Pain in Primary Care Practice

Low back pain is described as a very common condition that tends to affect about 70% of the population at some point in time with varying degrees of symptom severity. Although definitions vary, sciatic pain is generally defined as back-related pain radiating to the leg (normally below the knee and into the foot and toes) and is one of the commonest variations of low back pain. Patients with sciatica typically experience a more persistent and severe type of pain, a less favorable outcome, consume more healthcare resources and have more prolonged disability and absence from work than those with low back pain alone. Managing Sciatica and Radiculopathies in Primary Care Practice provides[...]

Features

Low back pain is described as a very common condition that tends to affect about 70% of the population at some point in time with varying degrees of symptom severity. Although definitions vary, sciatic pain is generally defined as back-related pain radiating to the leg (normally below the knee and into the foot and toes) and is one of the commonest variations of low back pain. Patients with sciatica typically [...]

Contents

What is sciatica and radicular pain?.- What are the causes of sciatica and radicular pain?.- How are sciatica and spinal radicular pain classified?.- How are the radiculopathies diagnosed?.- What guidelines are available for sciatica and radicular pain?.- Physical and psychological treatments.- What are the options for the surgical treatment of radiculopathy?.- Pharmacological treatment options available for radicular pain.

Fields of interest

Orthopedics; Pain Medicine; Pharmacotherapy; Surgical Orthopedics

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-1-907673-55-9

Softcover

2014. XVIII, 141 p. 40 illus., 30 illus. in color.
ISBN 978-1-907673-55-9

Due: December 15, 2013

P. Raghavan, University of Virginia Health Systems, Charlottesville, USA; S. Mukherjee, University of Virginia Health Systems, Charlottesville, USA; M. Jameson, University of Virginia Health Systems, Charlottesville, USA; M. Wintermark, University of Virginia Health Systems, Charlottesville, USA

Manual of Head and Neck Imaging

This book is designed as an easily readable manual that will be of great practical value for radiology and otolaryngology residents during their clinical rotations. Key facts on head and neck imaging are presented in short chapters written in an easily readable style. Line drawings are used to illustrate key concepts, and tables, checklists, and algorithms will enable the readers to arrive at a quick diagnosis. In addition, emphasis is placed on clinical pearls that will assist them in preparing suitable reports. The Manual of Head and Neck Imaging is sized to allow residents to read it completely within a matter of days, and it will also serve as an ideal quick reference guide as[...]

Features

This book is designed as an easily readable manual that will be of great practical value for radiology and otolaryngology residents during their clinical rotations. Key facts on head and neck imaging are presented in short chapters written in an easily readable style. Line drawings are used to illustrate key concepts, and tables, checklists, and algorithms will enable the readers to arrive at a quick [...]

Contents

Spaces of the Neck.- Cervical Lymphadenopathy.- Nasopharynx.- Oral Cavity and Oropharynx.- Larynx and Hypopharynx.- Salivary Glands.- Orbits.- Temporal Bone and Skull Base.- Sinonasal Cavities.- Head and Neck Trauma.- Maxilla and Mandible.- Thyroid and Parathyroid Glands.- Pediatric Head and Neck Lesions.

Fields of interest

Imaging / Radiology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-40376-7

Hardcover

2014. XI, 418 p. 361 illus., 14 illus. in color.
ISBN 978-3-642-40376-7

Due: November 30, 2013

T. Asano, Chiba-East National Hospital, Chiba, Japan; N. Fukushima, T. Kenmochi, Chiba-East National Hospital, Chiba, Japan; N. Matsuno, IMS Higashi Totsuka Memorial Hospital, Yokohama, Japan (Eds.)

Marginal Donors

Current Status and Future

In response to persistent donor organ shortages, organs from marginal donors, such as expanded criteria donors (ECD) and donation after cardiac death (DCD) donors, are now accepted and have been successfully transplanted, reducing the waiting times for transplantation. Especially in Japan, transplantation of DCD kidneys has a relatively long history because of the difficulty or lack of national consensus in accepting brain death, which has made it possible to accumulate considerable clinical experience. Thus, the current organ shortage has stimulated interest in the use of marginal donors for transplantation. On the other hand, however, it is known that these organs have a high rate[...]

Features

In response to persistent donor organ shortages, organs from marginal donors, such as expanded criteria donors (ECD) and donation after cardiac death (DCD) donors, are now accepted and have been successfully transplanted, reducing the waiting times for transplantation. Especially in Japan, transplantation of DCD kidneys has a relatively long history because of the difficulty or lack of national consensus in [...]

Contents

Preface Takehide Asano 1. Marginal Donors in Japan Norihide Fukushima (Osaka University, Japan) 2. Marginal Donors in the World: Heart & Lung: Stig Steen (Sweden) Liver: Paolo Muisean (UK) Kidney: Ratger Ploeg (Netherlands) 3. Marginal Donors Management Norihide Fukushima (Osaka University, Japan) 4. Heart (expanded criteria donor: ECD) Norihide Fukushima (Osaka University, Japan) 5. Lung (ECD) Yoshinori Okada, Takashi Kondo (Tohoku University, Japan) 6. Lung (donation after cardiac death: DCD) Takahiro Oto (Okayama[...])

Fields of interest

Surgery; Transplant Surgery; Intensive / Critical Care Medicine; Emergency Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-4-431-54483-8

Hardcover

2014. Approx. 200 p. 100 illus., 10 illus. in color. ISBN 978-4-431-54483-8

Due: May 2014

S.M. Rogers, Mediwrite GmbH, Basel, Switzerland

Mastering Scientific and Medical Writing

A Self-help Guide

This self-help guide is intended for scientists and medical professionals and students who wish to improve their scientific writing skills. Exercises invite the reader to practice the most important aspects of scientific writing. Although the book addresses certain issues more troublesome to scientific communicators of a non-English language origin, the guide will be of equal benefit to those whose first language is English. If you want not only to write but to write well, this book is for you. This second edition takes into account new developments in the area of scientific communication. In particular, the importance of authenticity is addressed, drawing attention to the sensitive[...]

Features

This self-help guide is intended for scientists and medical professionals and students who wish to improve their scientific writing skills. Exercises invite the reader to practice the most important aspects of scientific writing. Although the book addresses certain issues more troublesome to scientific communicators of a non-English language origin, the guide will be of equal benefit to those whose first [...]

Contents

Introduction.- Good versus Poor Scientific Writing: an orientation.- Words and Units: orthography and Punctuation.- Forming Sentences: grammar.- Putting it Nicely: Style.- Redundancy and Jargon: Focusing on the essentials.- Quoting Published Material: Reference Formats.- Avoiding Discrimination: ethics of Scientific Writing.- Sticking to your word: Plagiarism.- Structuring Scientific Texts: getting the "Story" out.

Fields of interest

Medicine (general)

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-39445-4

Softcover

2014. XIV, 98 p. ISBN 978-3-642-39445-4

Due: October 31, 2013

B.J. McParland

Medical Radiation Dosimetry

Theory of Charged Particle Collision Energy Loss

Accurate radiation dosimetry is a requirement of radiation oncology, diagnostic radiology and nuclear medicine. It is necessary so as to satisfy the needs of patient safety, therapeutic and diagnostic optimisation, and retrospective epidemiological studies of the biological effects resulting from low absorbed doses of ionising radiation. The radiation absorbed dose received by the patient is the ultimate consequence of the transfer of kinetic energy through collisions between energetic charged particles and atoms of the tissue being traversed. Thus, the ability of the medical physicist to both measure and calculate accurately patient dosimetry demands a deep understanding of the[...]

Features

Medical Radiation Dosimetry: Theory of Charged Particle Collision Energy Loss provides a uniquely required advanced, comprehensive and definitive theoretical description of the physics of charged particle collision energy loss and the role that it plays in the clinical radiation dosimetry resulting from exposure to ionising radiation. Medical Radiation Dosimetry: Theory of Charged Particle [...]

Contents

Part I. Introduction to Charged Particles.- 1. Introduction.- 2. Elements of Quantum Scattering Theory.- Part II. Elastic Coulomb Scatter.- 3. Introduction of Part II.- 4. Elastic Coulomb Scatter from an Unscreened Point Charge.- 5. Elastic Coulomb Scatter from Distributed and Screened Charges.- 6. Multiple Elastic Coulomb Scatter.- Part III. Collision Energy Loss.- 7. Introduction to Part III.- 8. Soft Collisions.- 9. Hard Collisions.- 10. Total and Restricted Collision Stopping Powers and Theory of the Mean Energy Expended to Create an Ion Pair.- 11. Mean Excitation Energy.- 12.[...]

Fields of interest

Nuclear Medicine; Imaging / Radiology

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-1-4471-5402-0

Hardcover

2014. XXV, 622 p. 120 illus., 5 illus. in color. ISBN 978-1-4471-5402-0

Due: September 30, 2013

J.D. Kelly, IV, University of Pennsylvania, Philadelphia, USA (Ed.)

Meniscal Injuries

Management and Surgical Techniques

Thoroughly discussing the varied elements of meniscal damage and repair, *Meniscal Injuries: Management and Surgical Techniques* includes the insights and expertise of over 20 leading surgeons and researchers on topics ranging from meniscal anatomy, physical examination, innovative resection and repair techniques, gene therapy, and tissue regeneration. This treatise offers wisdom aimed at assessing true surgical candidates, exploring the intricacies of meniscal composition and function, an overview of meniscal scaffolds and replacements, and patient examination pearls. Also discussed in depth is cutting edge research concerning meniscal repair enhancement, nanofiber technology as a[...]

Features

Thoroughly discussing the varied elements of meniscal damage and repair, *Meniscal Injuries: Management and Surgical Techniques* includes the insights and expertise of over 20 leading surgeons and researchers on topics ranging from meniscal anatomy, physical examination, innovative resection and repair techniques, gene therapy, and tissue regeneration. This treatise offers wisdom aimed at assessing [...]

Contents

Meniscal Anatomy.- Physical Examination for Meniscus Tears.- Imaging of Meniscus Pathology.- Meniscectomy: The Basics.- Meniscus Allograft Transplantation.- Meniscal Scaffolds: Options Post-Meniscectomy.- Meniscal Repair Techniques.- Meniscal Posterior Root Tear.- Indications for Meniscus Repair.- Basic Science of Meniscus Repair: Limitations and Emerging Strategies.- Biological Augmentation of Meniscus Repair and Restoration.- Rehabilitation Following Meniscus Repair.

Fields of interest

Surgical Orthopedics; Sports Medicine; Minimally Invasive Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8485-1

Hardcover

2014. XIV, 129 p. 81 illus., 64 illus. in color.

ISBN 978-1-4614-8485-1

**usually dispatched within 3 to 5 business days
October 31, 2013**

T. Takahashi, Asahikawa Medical University, Asahikawa, Japan

Microcirculation in Fractal Branching Networks

This book presents a new method for analyzing the structure and function of the biological branching systems of fractal trees, with a focus on microcirculation. Branching systems in humans (vascular and bronchial trees) and those in the natural world (plants, trees, and rivers) are characterized by a fractal nature. To date, fractal studies have tended to concentrate on fractal dimensions, which quantify the complexity of objects, but the applications for practical use have remained largely unexplored. This book breaks new ground with topics that include the human retinal microcirculatory network, oxygen consumption by vascular walls, the Fåhræus-Lindqvist effect, the bifurcation[...]

Features

This book presents a new method for analyzing the structure and function of the biological branching systems of fractal trees, with a focus on microcirculation. Branching systems in humans (vascular and bronchial trees) and those in the natural world (plants, trees, and rivers) are characterized by a fractal nature. To date, fractal studies have tended to concentrate on fractal dimensions, which quantify [...]

Contents

Branching Systems of Fractal Vascular Trees.- A Theoretical Model for the Microcirculatory Network.- Oxygen Consumption by Vascular Walls in the Retinal Vasculature.- The Fåhræus-Lindqvist Effect on the Retinal Microcirculation.- Effects of a Reduction in the Bifurcation Exponent from 3.00 to 2.85.- Asymmetrically Branching Microvascular Networks

Fields of interest

Cardiology; Ophthalmology; Physiological, Cellular and Medical Topics

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-4-431-54507-1

Hardcover

2014. XIII, 138 p. 43 illus.

ISBN 978-4-431-54507-1

**usually dispatched within 3 to 5 business days
October 31, 2013**

E. Midena, University of Padova, Padova, Italy (Ed.)

Microperimetry and Multimodal Retinal Imaging

Microperimetry allows precise functional examination of the retina and optic nerve and is especially valuable for evaluation of the macular area. This fully up-to-date textbook on microperimetry, written by leading experts in the field, will also serve as an atlas and diagnostic reference. It is designed for use by both ophthalmologists and optometrists in daily clinical practice and clinical research, and the contents thus range from basic technical information to the most advanced clinical applications. Past and current microperimetry techniques are reviewed, and the role of microperimetry in the context of multimodal imaging scenario is explained. The full range of clinical[...]

Features

Microperimetry allows precise functional examination of the retina and optic nerve and is included in the current multimodal (or integrated) imaging approach to the retina, primarily for the evaluation of the macular area. Macular disorders are among the major blinding conditions, and diagnosis, follow-up, and treatment are based on functional and morphological retinal evaluation. This fully [...]

Contents

Microperimetry and Multimodal Retinal Imaging: the Fundamentals: Functional Evaluation of the Retina: an Introduction.- Retinal Fixation and Microperimetry.- Microperimetry: technical remarks.- OCT/SLO Microperimetry and Correlates.- Scotopic microperimetry.- Multimodal retinal imaging: an Introduction. Clinical Applications of Microperimetry and Multimodal Retina Imaging: Early and Intermediate Age-Related Macular Degeneration.- Geographic atrophy.- Neovascular age-related macular degeneration.- Retinal Pigment Epithelium and Choroid Graft.- Macular Telangiectasia Type 2.- Diabetes[...]

Fields of interest

Ophthalmology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-40299-9

Hardcover

2014. X, 214 p. 117 illus., 99 illus. in color.

ISBN 978-3-642-40299-9

Due: November 30, 2013

G. Allahbadia, Rotunda, Mumbai, India; M. Nitzschke, Milagro Kinderwunschzentrum Bodensee AG, Kreuzlingen, Switzerland (Eds.)

Minimal Stimulation and Natural Cycle In Vitro Fertilization

This contributed volume regenerates the significance of and respect for natural phenomenon in the background of the risks and complications seen in ART such as ovarian hyperstimulation and multiple pregnancies. Balancing the clinical practice between the beneficial natural physiology and the prolific use of stimulation drugs for ART may help eliminate risks that may prove clinically, financially and psychologically expensive. It underscores the fact that 'greater' is not always synonymous with 'better' with regard to the oocyte yield. While highlighting the risks involved with the use of high-dose gonadotropins, the book presents a stratification of patients who might benefit[...]

Features

This contributed volume regenerates the significance of and respect for natural phenomenon in the background of the risks and complications seen in ART such as ovarian hyperstimulation and multiple pregnancies. Balancing the clinical practice between the beneficial natural physiology and the prolific use of stimulation drugs for ART may help eliminate risks that may prove clinically, financially and [...]

Contents

ART stimulation in the next decade – an overview - Natural cycle IVF without medication.-The use of letrozol in minimal stimulation IVF.-Use of clomiphene and prostaglandin inhibitors in natural cycle IVF.-The role of GnRH analogue triggering in natural cycle and minimal stimulation IVF.-Natural cycle IVF in patients with ovarian insufficiency using luteal phase stimulation.-Ovarian stimulation in patients with ovarian insufficiency.-Monofollicular stimulation for IVF in PCOS patients.-Budget IVF using clomiphene, hMG & antagonists.-Vitrification is the keystone to minimal stimulation[...]

Fields of interest

Reproductive Medicine; Gynecology; Obstetrics / Perinatology; Internal Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-81-322-1117-4

Hardcover

2014. Approx. 175 p. 40 illus., 20 illus. in color. ISBN 978-81-322-1117-4

Due: June 30, 2014

D.J. Terris, Georgia Regents University, Augusta, USA; M.C. Singer, Henry Ford Hospital, Detroit, USA (Eds.)

Minimally Invasive and Robotic Thyroid and Parathyroid Surgery

Minimally Invasive and Robotic Thyroid and Parathyroid Surgery is the first textbook which includes a comprehensive review of both minimally invasive and robotic thyroid and parathyroid techniques. Over the last several years there has been a rapid expansion in the number of different surgical approaches available to patients undergoing thyroid and parathyroid surgery. This book consolidates these in one source and focuses on both the philosophy and techniques of these procedures. For thyroid surgery, the text covers the full range of minimally invasive procedures and several of the most widely adopted remote access techniques. Several related procedures are also discussed, including[...]

Features

Minimally Invasive and Robotic Thyroid and Parathyroid Surgery is the first textbook which includes a comprehensive review of both minimally invasive and robotic thyroid and parathyroid techniques. Over the last several years there has been a rapid expansion in the number of different surgical approaches available to patients undergoing thyroid and parathyroid surgery. This book consolidates these in [...]

Contents

The Evolution of Thyroid Surgery.- Defining Minimally Invasive and Remote Access Surgery of the Thyroid and Parathyroid Glands.- Principles and Philosophy of Minimally Invasive and Remote Access Endocrine Surgery.- Ambulatory Endocrine Surgery.- Non-endoscopic Minimally Invasive Thyroid Surgery.- Minimally Invasive Video-Assisted Thyroidectomy.- Total Endoscopic Thyroidectomy: Axillary Approach.- Bilateral Axillo-Breast Approach Endoscopic and Robotic Thyroid Surgery.- Robot-Assisted Transaxillary Thyroidectomy.- Robotic Facelift Thyroidectomy.- Conservative Central Neck Dissection.- [...]

Fields of interest

Minimally Invasive Surgery; Head and Neck Surgery; General Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-9010-4

Hardcover

2014. X, 209 p. 117 illus., 108 illus. in color. ISBN 978-1-4614-9010-4

Due: November 30, 2013

W.E. Highsmith, Jr., Mayo Clinic College of Medicine, Rochester, USA (Ed.)

Molecular Diagnostics

12 Tests That Changed Everything

Molecular Diagnostics: 12 Tests That Changed Everything focuses on specific laboratory tests and emphasizes how the availability of these tests has altered how clinicians treat their patients. Presented as a standard outline, each chapter focuses on a specific molecular test and provides background on the test and its clinical applications. Continuing with some discussion on how the test is done, interpreted, and used clinically, each chapter then concludes with a discussion of how that test has changed the way medicine is practiced with respect to the disease or condition in question. Authored by renowned experts in the field, Molecular Diagnostics: 12 Tests That Changed Everything[...]

Features

Molecular Diagnostics: 12 Tests That Changed Everything focuses on specific laboratory tests and emphasizes how the availability of these tests has altered how clinicians treat their patients. Presented as a standard outline, each chapter focuses on a specific molecular test and provides background on the test and its clinical applications. Continuing with some discussion on how the test is done, [...]

Contents

Clinical FISH Testing for the Diagnosis of Solid Tumors.- Epidermal Growth Factor Receptor Testing in Lung Adenocarcinoma.- The Human Epidermal Growth Factor Receptor 2 (HER2).- Tamoxifen and Irinotecan Pharmacogenomics.- Hepatitis C Virus Testing.- Laboratory Testing for HIV Infection: Advances after 27 years.- Detection of Herpes Simplex Virus in Cerebrospinal Fluid using Real-time PCR.- Toward a Safer Blood Supply: The Impact of Molecular Testing.- Chromosomal Microarrays.- BRCA1 and BRCA2 Testing in Inherited Breast Cancer.- Cystic Fibrosis: Carrier Testing, Newborn Screening, and[...]

Fields of interest

Pathology; Oncology; Infectious Diseases

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8126-3

Hardcover

2014. XIII, 257 p. 47 illus., 41 illus. in color. (Molecular and Translational Medicine) ISBN 978-1-4614-8126-3

usually dispatched within 3 to 5 business days
October 31, 2013

J.M. Ehrenfeld, M. Cansson (Eds.)

Monitoring Technologies in Acute Care Environments

A Comprehensive Guide to Patient Monitoring Technology

This is an introduction to the patient monitoring technologies that are used in today's acute care environments, including the operating room, recovery room, emergency department, intensive care unit, and telemetry floor. To a significant extent, day-to-day medical decision-making relies on the information provided by these technologies, yet how they actually work is not always addressed during education and training. The editors and contributors are world-renowned experts who specialize in developing, refining, and testing the technology that makes modern-day clinical monitoring possible. Their aim in creating the book is to bridge the gap between clinical training and[...]

Features

This is an introduction to the patient monitoring technologies that are used in today's acute care environments, including the operating room, recovery room, emergency department, intensive care unit, and telemetry floor. To a significant extent, day-to-day medical decision-making relies on the information provided by these technologies, yet how they actually work is not always addressed during [...]

Contents

Section I. Fundamental Principles of Monitoring.- 1. Overview of Clinical Monitoring.- 2. Monitoring in Acute Care Environments: Unique Aspects of Intensive Care Units, Operating Rooms, Recovery Rooms, Telemetry Floors.- 3. Introduction to Signals.- 4. Signal Analysis: Acquisition, Storage, and Analysis of Physiological Signals.- 5. Information Displays and Ergonomics.- 6. Decision Support and Closed-Loop Systems.- Section II. Hemodynamic Monitoring.- 7. Introduction to Hemodynamic Monitoring.- 8. Pulmonary Artery Catheterization.- 9. Non-invasive Cardiac Output Monitoring.- 10.[...]

Fields of interest

Anesthesiology; Intensive / Critical Care Medicine; Emergency Medicine; Health Informatics

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8556-8

Softcover

2014. XII, 440 p. 175 illus., 132 illus. in color. ISBN 978-1-4614-8556-8

Due: November 30, 2013

R. Happle, Freiburg University Medical Center, Freiburg, Germany

Mosaicism in Human Skin

Understanding Nevi, Nevoid Skin Disorders, and Cutaneous Neoplasia

Mosaicism is a powerful biologic concept, originally developed from studying plants and animals. All cutaneous neoplasms, both benign and malignant, reflect mosaicism, which is the necessary basis to explain numerous human skin disorders. For example, various mosaic patterns visualize the embryonic development of human skin and X-linked skin disorders explain why women live longer than men, and so on. This book presents, for the first time, a comprehensive overview on the strikingly manifold patterns and peculiarities of mosaic skin disorders. This reader-friendly structured and straightforward publication will help the dermatologist to understand the underlying molecular mechanisms[...]

Features

Mosaicism is a powerful biologic concept, originally developed from the study of plants and animals, and is the necessary basis for the explanation of numerous human skin disorders. This lavishly illustrated book presents, for the first time, a comprehensive overview of the strikingly manifold patterns and peculiarities of mosaic skin disorders. It is structured in a straightforward, [...]

Contents

PATTERNS AND MECHANISMS: Mosaicism as a Biological Concept.- History.- Mosaicism in Plants, Animals, Humans.- Mosaicism Versus Chimerism.- The Mechanisms of Mosaicism.- Genomic Mosaicism of Autosomes.- Epigenetic Mosaicism of autosomes.- Genomic Mosaicism of X Chromosomes.- Epigenetic Mosaicism of X Chromosomes.- The patterns of Mosaicism.- Lines of Blaschko.- Checkerboard Pattern.- Phylloid Pattern.- Patchy Pattern Without Midline Separation.- Lateralization.- Other Patterns, so far Unclassifiable.- MOSAIC SKIN DISORDERS: Nevi.- Melanocytic Nevi.- Other Forms of Pigmentary[...]

Fields of interest

Dermatology; Pediatrics; Human Genetics; Neurology; Ophthalmology

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-642-38764-7

Hardcover

2014. XIII, 242 p. 232 illus., 209 illus. in color. ISBN 978-3-642-38764-7

Due: October 31, 2013

M.A. Gertz, Department of Internal Medicine, Rochester, USA; S.V. Rajkumar, Myeloma Amyloidosis Dysproteinemia Group, Rochester, USA (Eds.)

Multiple Myeloma

Diagnosis and Treatment

This is a comprehensive, state-of-the-art guide to the diagnosis, treatment, and biology of multiple myeloma and related plasma disorders. Edited and written by a multidisciplinary group of recognized authorities from the Mayo Clinic, it presents clear guidelines on diagnosis and therapy and covers all aspects of multiple myeloma, from molecular classification and diagnosis, to risk stratification and therapy. Closely related plasma cell disorders such as solitary plasmacytoma, Waldenstrom macroglobulinemia, and light chain amyloidosis are discussed in detail as well. The book addresses often overlooked topics, including the role of radiation therapy, vertebral augmentation, and[...]

Features

This is a comprehensive, state-of-the-art guide to the diagnosis, treatment, and biology of multiple myeloma and related plasma disorders. Edited and written by a multidisciplinary group of recognized authorities from the Mayo Clinic, it presents clear guidelines on diagnosis and therapy and covers all aspects of multiple myeloma, from molecular classification and diagnosis, to risk stratification and [...]

Contents

1. Criteria for Diagnosis and Response.- 2. Detection of M proteins.- 3. Pathology Of Multiple Myeloma.- 4. Pathogenesis of Multiple Myeloma.- 5. Staging of Multiple Myeloma.- 6. Molecular Classification and Risk Stratification.- 7. Monoclonal Gammopathies of Undetermined Significance and Smoldering Multiple Myeloma.- 8. Treatment of Newly Diagnosed Multiple Myeloma.- 9. Approach to Relapsed Refractory Myeloma.- 10. Autologous Stem Cell Transplantation in the Management of Multiple Myeloma.- 11. Allogeneic Stem Cell Transplantation.- 12. New Agents For Multiple Myeloma.- 13. Biological[...]

Fields of interest

Hematology; Oncology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8519-3

Hardcover

2014. XI, 311 p. 51 illus., 32 illus. in color. ISBN 978-1-4614-8519-3

Due: October 31, 2013

G.K. Wenning, Innsbruck Medical University, Innsbruck, Austria; A. Fanciulli, Innsbruck Medical University, Innsbruck, Austria (Eds.)

Multiple System Atrophy

This textbook provides a comprehensive monograph on multiple system atrophy (MSA), a rare and fatal neurodegenerative disorder that presents with autonomic failure and either parkinsonism (MSA-P) or cerebellar ataxia (MSA-C). The underlying neuropathology of MSA is characterized by striatonigral degeneration (SND), olivopontocerebellar atrophy (OPCA) and unique oligodendroglial cytoplasmic alpha-synuclein inclusions. MSA is therefore classified among the alpha-synucleinopathies such as Parkinson's disease, pure autonomic failure and dementia with Lewy bodies. Over the last decade there have been important advances in early diagnosis, pathogenesis research and clinical trial activity.[...]

Features

This textbook provides a comprehensive monograph on multiple system atrophy (MSA), a rare and fatal neurodegenerative disorder that presents with autonomic failure and either parkinsonism (MSA-P) or cerebellar ataxia (MSA-C). The underlying neuropathology of MSA is characterized by striatonigral degeneration (SND), olivopontocerebellar atrophy (OPCA) and unique oligodendroglial cytoplasmic alpha-synuclein [...]

Contents

1. Historical Review.- 2. Epidemiology.- 3. Neuropathology.- 4. Etiopathogenesis.- 5. Animal Models.- 6. Clinical Presentation.- 7. Clinical diagnostic Criteria.- 8. Natural History.- 9. Investigations.- 10. Treatment.

Fields of interest

Neurology; Neurosciences

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-7091-0686-0

Hardcover

2014. XVI, 198 p. 33 illus., 20 illus. in color.
ISBN 978-3-7091-0686-0

usually dispatched within 3 to 5 business days

G. Malferrari, Arcispedale Santa Maria Nuova IRCCS, Reggio Emilia, Italy; M. Zedde, Arcispedale Santa Maria Nuova IRCCS, Reggio Emilia, Italy; P. Prati, CIDIMU, Torino, Italy

Neurosonological Evaluation of Cerebral Venous Outflow

An Ultrasound Atlas

Although, within neurosonology, study of both the extracranial and the intracranial circulation began at least 15 years ago, it is only in recent years that ultrasound evaluation of cerebral veins and cerebral venous hemodynamics has attracted wider attention. Nevertheless, the huge variability in venous outflow pathways in normal subjects means that the potential usefulness of this examination is still often neglected. This atlas provides concise descriptions of the main normal and pathological ultrasound features of the cerebral venous circulation for neurosonologists and clinicians. It is designed as a practical tool that will be of assistance in everyday practice in the ultrasound[...]

Features

Although, within neurosonology, study of both the extracranial and the intracranial circulation began at least 15 years ago, it is only in recent years that ultrasound evaluation of cerebral veins and cerebral venous hemodynamics has attracted wider attention. Nevertheless, the huge variability in venous outflow pathways in normal subjects means that the potential usefulness of this examination is still often [...]

Contents

Part I Extracranial veins.- 1 Ultrasound machine: the significance of venous preset.- 2 Ultrasound anatomy and how to do the examination.- 3 Postural changes and activation tests.- 4 Main pathological pictures with ultrasound.- Part II Intracranial veins.- 5 Ultrasound machine: the significance of venous preset.- 6 Ultrasound anatomy and how to do the examination.- 7 Main pathological pictures with ultrasound.- 8 Global hemodynamic evaluation and outflow variability.- 9 Imaging-fusion technology for studying intracranial veins.

Fields of interest

Neurology; Ultrasound; Diagnostic Radiology; Angiology

Target groups

Professional/practitioner

Type of publication

Atlas

More on www.springer.com/978-88-470-5464-6

Hardcover

2014. VIII, 74 p. 162 illus., 156 illus. in color.
ISBN 978-88-470-5464-6

Due: October 31, 2013

S. Nava, AO Sant'Orsola Malpighi Hospital, Bologna, Italy; F. Fanculla, Fondazione Salvatore Maugeri, Pavia, Italy

Non Invasive Artificial Ventilation

How, When and Why

Over the last two decades, the increasing use of non-invasive ventilation (NIV) has reduced the need for endotracheal ventilation, thus decreasing the rate of ventilation-induced complications. Thus, NIV has decreased both intubation rates and mortality rates in specific subsets of patients with acute respiratory failure (for example, patients with hypercapnia, cardiogenic pulmonary edema, immune deficiencies, or post-transplantation acute respiratory failure). Despite the increased use of NIV in clinical practice, there is still a need for more educational tools to improve clinicians' knowledge of the indications and contraindications for NIV, the factors that predict failure or[...]

Features

Over the last two decades, the increasing use of non-invasive ventilation (NIV) has reduced the need for endotracheal ventilation, thus decreasing the rate of ventilation-induced complications. Thus, NIV has decreased both intubation rates and mortality rates in specific subsets of patients with acute respiratory failure (for example, patients with hypercapnia, cardiogenic pulmonary edema, immune [...])

Contents

1. Why to use NIV to wean a patient.- 2. Mechanical ventilation physiology.- 3. (Almost) all you want to know about a ventilator.- 4. Interfaces for NIV.- 5. When to start (or not) a ventilator treatment.- 6. Modalities to wean a patient undergoing NIV.- 7. How to set up the ventilator.- 8. Other ventilation modalities.- 9. Why NIV is beautiful?.- 10. Myths, prejudices and real problems.- 11. Non invasive ventilotherapy in acute respiratory failure treatment: the five marvelous.- 12. Non invasive ventilotherapy in acute respiratory failure treatment: emerging indications.- 13. Non[...]

Fields of interest

Pneumology/Respiratory System; Intensive / Critical Care Medicine; Emergency Medicine; Rehabilitation Medicine; Neurology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-88-470-5525-4

Softcover

Original Italian edition published by Springer-Verlag Italia, Milan, 2010

2014. IV, 217 p. 47 illus.

ISBN 978-88-470-5525-4

Due: December 31, 2013

L. Claes, KU Leuven, Leuven, Belgium; J.J. Muehlenkamp, University of Wisconsin-Eau Claire, Eau Claire, USA (Eds.)

Non-Suicidal Self-Injury in Eating Disorders

Advancements in Etiology and Treatment

Non-suicidal self-injury and eating disorders represent significant problems among today's youth and pose unique challenges for clinicians, particularly when they co-occur. This book is a rare resource in that it provides cutting-edge information on the interactions between self-injury and disordered eating, empirically informed treatments for the co-occurrence of these behaviors, and specific topics relevant to understanding nuances in the risk factors, treatment, and prevention of both self-injury and eating disorders. Practitioners, graduate students, and researchers working within this specialized area will find this text to be instrumental in advancing their knowledge and [...]

Features

Non-suicidal self-injury and eating disorders represent significant problems among today's youth and pose unique challenges for clinicians, particularly when they co-occur. This book is a rare resource in that it provides cutting-edge information on the interactions between self-injury and disordered eating, empirically informed treatments for the co-occurrence of these behaviors, and specific topics [...]

Contents

Part I: Background and General Aspects.- Non-Suicidal Self-Injury and Eating Disorders: Dimensions of Self-Harm.- Epidemiology and Sociocultural Aspects of Non-Suicidal Self-Injury and Eating Disorders.- Developmental Influences in NSSI and Eating Disorders.- Etiological Models.- Psychological Meanings and Functions.- The Patients' Perspective. Part II: Assessment & Treatment: Functional Assessment and Treatment Planning.- Cognitive Behavior Therapy.- Dialectical Behavior Therapy.- Family Therapy.- Mentalization Based Therapy.- Interpersonal Psychotherapy.- Pharmacotherapy.- Part III:[...]

Fields of interest

Psychiatry; Psychology (general); Psychotherapy; Psychopharmacology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-40106-0

Hardcover

2014. VI, 364 p. 9 illus.
ISBN 978-3-642-40106-0

Due: October 31, 2013

S.A. Myint (Ed.)

Nonsurgical Peri-orbital Rejuvenation

This book offers surgeons the most up-to-date information related to non-surgical techniques specific to periorbital rejuvenation. This easy-to-use reference guide is for ophthalmologists, oculoplastic surgeons, dermatologists, plastic surgeons, maxillofacial and plastic surgery residents, as well as ENT facial plastic fellows. Complete with videos of specific techniques to better inform surgeons about these evolving procedures, Nonsurgical Peri-orbital Rejuvenation teaches the reader how to measure predictable outcomes when deciding to approach the periorbital area. Topics covered include neurotoxins, peels, lasers, fillers, and skincare.

Features

This book offers surgeons the most up-to-date information related to non-surgical techniques specific to periorbital rejuvenation. This easy-to-use reference guide is for ophthalmologists, oculoplastic surgeons, dermatologists, plastic surgeons, maxillofacial and plastic surgery residents, as well as ENT facial plastic fellows. Complete with videos of specific techniques to better inform surgeons [...]

Contents

1. Practical anatomy of the face and eyelids.- 2. Neuromodulators.- 3. Periorbital Chemical Peels.- 4. Periorbital Lasers.- 5. Radiofrequency/Ultrasound.- 6. Filler Augmentation.- 7. Periorbital Fat Grafting.

Fields of interest

Ophthalmology; Oral and Maxillofacial Surgery; Plastic Surgery; Otorhinolaryngology; Dermatology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8387-8

Hardcover

2014. XIII, 102 p. 68 illus. in color.
ISBN 978-1-4614-8387-8

Due: October 31, 2013

A. Moniuszko, Presence Resurrection Medical Center, Chicago, USA; B.A. Kesala, Presence Resurrection Medical Center, Chicago, USA

Nuclear Cardiology Study Guide

A Technologist's Review for Passing Specialty Certification Exams

This book presents a comprehensive review of nuclear cardiology principles and concepts necessary to pass the Nuclear Cardiology Technology Specialty Examination. The practice questions are similar in format and content to those found on the Nuclear Medicine Technology Certification Board (NMTCB) and American Registry of Radiological Technologists (ARRT) examinations, allowing test takers to maximize their chances of success. The book is organized by test sections of increasing difficulty, with over 600 multiple-choice questions covering all areas of nuclear cardiology, including radionuclides, instrumentation, radiation safety, patient care, and diagnostic and therapeutic procedures.[...]

Features

This book presents a comprehensive review of nuclear cardiology principles and concepts necessary to pass the Nuclear Cardiology Technology Specialty Examination. The practice questions are similar in format and content to those found on the Nuclear Medicine Technology Certification Board (NMTCB) and American Registry of Radiological Technologists (ARRT) examinations, allowing test takers to maximize their [...]

Contents

Tackling the Multiple-Choice Test.- Practice Test 1: Difficulty Level-Easy.- Practice Test 2: Difficulty Level-Moderate.- Practice Test 3: Difficulty Level-Hard.- Appendix A: Commonly Used Abbreviations and Symbols in Nuclear Medicine.- Appendix B: Glossary of Cardiology Terms.- Appendix C: Useful Websites.

Fields of interest

Nuclear Medicine; Imaging / Radiology; Cardiology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8644-2

Softcover

2015. XV, 281 p. 34 illus., 24 illus. in color.
ISBN 978-1-4614-8644-2

Due: January 16, 2015

L.D. Byham-Gray, University of Medicine & Dentistry, Stratford, USA; J.D. Burrowes, Long Island University, Brookville, USA; G.M. Chertow, Stanford University, Stanford, USA (Eds.)

Nutrition in Kidney Disease

Nutrition in Kidney Disease, Second Edition addresses the relationships between nutrition and (1) normal kidney function and disease, (2) the progressiveness of chronic kidney disease (CKD) and strategies to prevent further compromise, and (3) the treatment and management of kidney failure especially during medical crises, such as acute kidney injury and its consequent nutritional therapies (e.g., enteral and parenteral nutrition). Demographic patterns, trends and outcomes in the current health care systems are explored in the United States and abroad. Disease prevention and management are presented over the entire lifespan, beginning with pregnancy, followed by infancy.[...]

Features

Nutrition in Kidney Disease, Second Edition addresses the relationships between nutrition and (1) normal kidney function and disease, (2) the progressiveness of chronic kidney disease (CKD) and strategies to prevent further compromise, and (3) the treatment and management of kidney failure especially during medical crises, such as acute kidney injury and its consequent nutritional therapies (e.g., enteral [...])

Contents

Kidney Function in Health and Disease.- Global Perspective of Kidney Disease.- Dietary Assessment in Kidney Disease.- Anthropometric Assessment in Kidney Disease.- Biochemical Nutritional Assessment in Chronic Kidney Disease.- Nutrition Physical Assessment in Chronic Kidney Disease (CKD).- Hypertension.- Diabetes Mellitus and Chronic Kidney Disease (Stages 1-5).- Dyslipidemias.- Implications and Management of Obesity in Kidney Disease.- Dialysis.- Transplantation.- Protein-Energy Wasting.- Acute Kidney Injury.- Bone and Mineral Disorders.- Physical Activity and[...]

Fields of interest

Clinical Nutrition; Nutrition; Nephrology; Complementary & Alternative Medicine; Food Science

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-62703-684-9

Hardcover

2014. X, 490 p. 30 illus., 14 illus. in color. (Nutrition and Health)

ISBN 978-1-62703-684-9

Due: November 15, 2013

R. Dumont, Raby Institute for Integrative Medicine, Oak Park, USA; Y. Chung, Children's Memorial Hospital, Oak Park, USA (Eds.)

Nutrition in Pediatric Pulmonary Disease

Nutrition in Pediatric Pulmonary Disease is a much needed resource for practitioners that provides a basic understanding of nutrition and nutritional supplements; their impact on physiologic function and how this can be applied for general health maintenance as well as a supplemental treatment for pulmonary diseases. This book provides information on (1) basics of nutrition, supplements and herbs and how they influence physiology (2) their application and potential use for various pulmonary diseases along with evidence regarding efficacy and safety. Also examined are (3) how diet, dietary supplements and herbs are integrated together for treatment and prevention of pulmonary[...]

Features

Nutrition in Pediatric Pulmonary Disease is a much needed resource for practitioners that provides a basic understanding of nutrition and nutritional supplements; their impact on physiologic function and how this can be applied for general health maintenance as well as a supplemental treatment for pulmonary diseases. This book provides information on (1) basics of nutrition, supplements and herbs [...]

Contents

Basic Pediatric Nutrition: Foundation of a Healthy Diet.- Diets.- Nutritional Supplements and Herbs.- Nutrition in Neonatal Pulmonary Disease.- Nutrition in Cystic Fibrosis.- Nutrition and Neuromuscular disease.- Asthma and Nutrition.- Obesity, Sleep and Pulmonary Disease in Children.

Fields of interest

Clinical Nutrition; Nutrition; Pneumology/Respiratory System; Food Science; Pediatrics; Complementary & Alternative Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8473-8

Hardcover

2014. X, 150 p. 7 illus., 5 illus. in color. (Nutrition and Health)

ISBN 978-1-4614-8473-8

Due: November 30, 2013

S.S. Kim, University of Kansas Medical Center, Kansas City, USA (Ed.)

Oocyte Biology in Fertility Preservation

Fertility preservation has become one of the most important and fast growing fields of reproductive medicine. Although there are several strategies for fertility preservation in female, most of them are still considered experimental. It is important to perfect the existing technologies, but also developing new strategies should be actively sought. The future development of fertility preservation strategies should be based on the sound scientific knowledge and principles. One of the main objectives of fertility preservation in females is prevention of oocyte depletion. The mechanisms of oocyte loss and survival in the ovary are complex, which include genetic control both in germ[...]

Features

Fertility preservation has become one of the most important and fast growing fields of reproductive medicine. Although there are several strategies for fertility preservation in female, most of them are still considered experimental. It is important to perfect the existing technologies, but also developing new strategies should be actively sought. The future development of fertility preservation strategies [...]

Contents

The importance of oocyte biology for the future of fertility preservation.- The Control of Oocyte Survival by Intrinsic and Extrinsic Factors.- Oocyte Genomic Integrity.- In Vitro Activation of Dormant Follicles for Fertility Preservation.- Primate follicular development in vitro.- Vitrification of oocytes - From Basic Science to Clinical Application.- Memoir of Fertility Preservation.

Fields of interest

Reproductive Medicine; Cell Biology; Molecular Medicine

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8213-0

Hardcover

2013. X, 97 p. 12 illus., 9 illus. in color. (Advances in Experimental Medicine and Biology, Vol. 761)

ISBN 978-1-4614-8213-0

Due: October 31, 2013

N. Vadivelu, A. Vadivelu, 16/4 Defence Officers Colony, Chennai, India; A.D. Kaye (Eds.)

Orofacial Pain

A Clinician's Guide

Because diagnosing orofacial pain can be a challenge, the book describes the appropriate history-taking methods, detailed examinations, and relevant tests that will help clinicians to work through the differential diagnosis. Effective medical, surgical, and behavioral approaches are presented, and the importance of a multimodal approach is consistently emphasized throughout the book. The target audience includes pain physicians, anesthesiologists, dentists, neurologists, nurse practitioners, and physician's assistants.

Features

Because diagnosing orofacial pain can be a challenge, the book describes the appropriate history-taking methods, detailed examinations, and relevant tests that will help clinicians to work through the differential diagnosis. Effective medical, surgical, and behavioral approaches are presented, and the importance of a multimodal approach is consistently emphasized throughout the book. The target audience [...]

Contents

1. The Neurobiology of Orofacial Pain.- 2. Oral Health Related Quality of Life and Facial Pain.- 3. Classification and Epidemiology of Orofacial Pain.- 4. Nociceptive Chemical Mediators In Oral Inflammation.- 5. Dental Sleep Medicine and the Use of Oral Devices.- 6. Local Anesthesia in the Orofacial Region.- 7. Analgesics and adjuvants for the management of orofacial pain across age groups.- 8. Cognitive-Behavioral Therapy in Pain Management.- 9. Management of Oral Ulcers and Burning Mouth Syndrome.- 10. Hypnosis and Biofeedback for Orofacial Pain Management.- 11. Headaches, Migraine[...]

Fields of interest

Pain Medicine; Dentistry; Neurology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-319-01874-4

Softcover

2014. XV, 170 p. 14 illus. in color.
ISBN 978-3-319-01874-4

Due: December 31, 2013

L. Saba, University of Cagliari, Cagliari, Italy; U.R. Acharya, S. Guerriero, University of Cagliari, Cagliari, Italy; J. Suri, Biomedical Technologies, Inc, Roseville, USA (Eds.)

Ovarian Neoplasm Imaging

Diagnostic and pre-operative imaging has become increasingly adopted throughout the field of gynecology. In particular accurate preoperative analysis of ovarian pathology can improve the selection of the correct therapeutical approach, to reduce the length of operations, maximize surgical technique, and can ultimately improve a range of operative outcomes. New imaging modalities have advanced to the point of high resolution, three-dimensional analysis of tissue anatomy, composition and perfusion. Ultrasonography (US), Computed tomographic (CT) and magnetic resonance (MR) imaging have recently emerged as outstanding non-invasive techniques for the detection and characterization of[...]

Features

Luca Saba MD, is a researcher in the field of Multi-Detector-Row Computed Tomography, Magnetic Resonance, Ultrasound, Neuroradiology, and Diagnostic in Vascular Sciences. His works, as lead author, achieved more than 120 high impact factor, peer-reviewed Journals. He is well known speaker and has spoken over 45 times at national and international levels. Dr. Saba has won 12 scientific and [...]

Contents

Epidemiology.- Histopathology.- Cyst of Follicular origin and Pregnancy Luteoma(CT and MR).- Endometrioma (Clinical Setting & US).- Endometrioma (CT and MR).- Benign Surface.- Epithelial Stromal Tumors (Clinical Setting & US).- Benign Surface Epithelial Stromal Tumors (CT and MR).- Benign Sex Cord - Stromal Tumors (Clinical Setting & US).- BenignSex Cord - Stromal Tumors (CT and MR).- Benign Germ Cell - Stromal Tumors (Clinical Setting & US).- Benign Germ Cell - Stromal Tumors (CT and MR).- Borderline Tumor (Serous\Mucinous\Endometrioid) (Clinical Setting & US).- Borderline Tumor[...]

Fields of interest

Oncology; Gynecology; Imaging / Radiology

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8632-9

Hardcover

2014. XII, 420 p. 463 illus., 298 illus. in color.
ISBN 978-1-4614-8632-9

Due: November 30, 2013

S. Adler, D. Beckers, M. Busch

PNF in Practice

An Illustrated Guide

The PNF approach, presented in a fully illustrated hands-on guide, including 650 photosFocus on practical aspects of patient evaluation and treatment ICF and Motor Learning and how these concepts are applied in PNF Provides a systematic and easily accessible guide to learning and understanding PNF as a practical tool and using it to full effect in patient treatmentNew for this edition: new fully-color textbook design for more user-friendly learning experience; fully revised introductory chapter on the PNF basics, now including discussion and demonstration of ICF and Motor Learning aspects in detailed case study; throughout chapters, new additional case studies that help visualize the[...]

Features

PNF (Proprioceptive Neuromuscular Facilitation) is a concept to therapeutic exercise which therapists all over the world have found effective for treating patients with a wide range of diagnoses. The approach presented in this richly illustrated guide is based on the concepts set out by Dr. Herman Kabat and taught by Margaret Knott. The fully revised fourth edition demonstrates how the principles of the [...]

Contents

Introduction.- Basic Procedures for Facilitation.- Techniques.- Patient Treatment.- Patterns of Facilitation.- The Scapula and Pelvis.- The Upper Extremity.- The Lower Extremity.- The Neck.- The Trunk.- Mat Activities.- Gait Training.- Vital Functions.- Activities of Daily Living.- Test Your knowledge: Questions and Answers.- Glossary.

Fields of interest

Physiotherapy; Occupational Therapy; Neurology; Rehabilitation

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-34987-4

Softcover

2014. XII, 312 p. 646 illus. in color.
ISBN 978-3-642-34987-4

Due: September 26, 2013

H. Selin (Ed.)

Parenting Across Cultures

Childrearing, Motherhood and Fatherhood in Non-Western Cultures

There is a strong connection between culture and parenting. What is acceptable in one culture is frowned upon in another. This applies to behavior after birth, encouragement in early childhood, and regulation and freedom during adolescence. There are differences in affection and distance, harshness and repression, and acceptance and criticism. Some parents insist on obedience; others are concerned with individual development. This clearly differs from parent to parent, but there is just as clearly a connection to culture. This book includes chapters on China, Colombia, Jordan, Kenya, the Philippines, Thailand, Korea, Vietnam, Brazil, Native Americans and Australians.[...]

Features

There is a strong connection between culture and parenting. What is acceptable in one culture is frowned upon in another. This applies to behavior after birth, encouragement in early childhood, and regulation and freedom during adolescence. There are differences in affection and distance, harshness and repression, and acceptance and criticism. Some parents insist on obedience; others are concerned with [...]

Contents

1. Parenting Practices and Shyness in Chinese Children; Yiyuan Yu; Lijin Zhang; Puanani Hee.- 2. Parenting in Hong Kong: Traditional Chinese Cultural Roots and Contemporary Phenomena; Daniel T. L. Shek; Rachel C.F. Sun.- 3. Parenting in India; Rita Isaac; I.K. Annie' H.R. Prashanth.- 4. Parenting in Vietnam; Tatyana Mestechkina; Nguyen Duc Son; Jin Y. Shin.- 5. Child Rearing in Japan; Susan D. Holloway; Ayumi Nagase.- 6. Parental Beliefs and Fathers' and Mothers' Roles in Malaysian Families; Ziarat Hossain.- 7. Parenting in Pakistan: An Overview; Riffat Moazam Zaman.- 8. Parenting in[...]

Fields of interest

Maternal and Child Health; Regional and Cultural Studies; Family

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-94-007-7502-2

Hardcover

2014. XII, 571 p. 35 illus., 31 illus. in color. (Science Across Cultures: The History of Non-Western Science, Vol. 7)

ISBN 978-94-007-7502-2

Due: November 30, 2013

R.F. Spaide, Vitreous-Retina-Macula Consultants, New York, USA; K. Ohno-Matsui, Tokyo Medical and Dental University, Tokyo, Japan; L. Yannuzzi (Eds.)

Pathological Myopia

Pathological Myopia is a major cause of severe vision loss worldwide. The mechanisms for vision loss include cataract, glaucoma, retinal detachment, and above all, degeneration of the macula within the posterior staphyloma. Pathological Myopia is one of the only current books to specifically address this disease and discusses recent developments in imaging technologies and various approaches to treatments, such as laser photocoagulation, photodynamic therapy, pharmacologic-injections in the vitreous, and surgery. Complete with high-quality color images, this book is written and edited by leaders in the field and is geared towards ophthalmologists, including residents and fellows[...]

Features

Pathological Myopia is a major cause of severe vision loss worldwide. The mechanisms for vision loss include cataract, glaucoma, retinal detachment, and above all, degeneration of the macula within the posterior staphyloma. Pathological Myopia is one of the only current books to specifically address this disease and discusses recent developments in imaging technologies and various approaches to [...]

Contents

1. Myopia: A Historical Perspective.- 2. Genes involved in the development of myopia.- 3. Epidemiology of Myopia.- 4. Animal Models of Experimental Myopia: Limitations and Synergies With Studies on Human Myopia.- 5. The Sclera and its Role in Regulation of the Refractive State.- 6. Public Health Impact of Pathologic Myopia.- 7. Update on the Pathology of Pathologic Myopia.- 8. The Sclera and Induced Abnormalities in Myopia.- 9. The Choroid.- 10. The Optic Nerve in High Myopia.- 11. Vitreous Changes.- 12. Staphyloma, Part 1.- 13. Staphyloma, Part 2.- 14. Myopic Chorioretinal Atrophy.- [...]

Fields of interest

Ophthalmology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8337-3

Hardcover

2014. XV, 333 p. 224 illus., 160 illus. in color. ISBN 978-1-4614-8337-3

Due: November 30, 2013

C.M. Houser, Erasmus Medical Center, Rotterdam, Netherlands

Pediatric Development and Neonatology

A Practically Painless Review

Often, information in review books can raise as many questions as it answers. This interferes with the study process, because the learner must either look up additional information or skip ahead without truly comprehending what he or she has read. As an alternative, *Pediatric Development and Neonatology: A Practically Painless Review* presents bite-sized chunks of information that can be read and processed rapidly, helping learners to stay active while studying to understand and process new information the first time they read it. This book's question and answer format allows for self-testing or study with a partner or a group. The format also facilitates dipping into the book during a [...]

Features

Often, information in review books can raise as many questions as it answers. This interferes with the study process, because the learner must either look up additional information or skip ahead without truly comprehending what he or she has read. As an alternative, *Pediatric Development and Neonatology: A Practically Painless Review* presents bite-sized chunks of information that can be read and [...]

Contents

Developmental Topics.- Neonatal Physiology: Things That Make Them Special.- Brief Overview of Reproductive Embryology.- Cryptorchidism and Contraindications to Breast Feeding in Developed Nations.- Neonatal Topics.

Fields of interest

Pediatrics; Obstetrics / Perinatology; General Practice / Family Medicine; Maternal and Child Health

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8680-0

Softcover

2014. XVII, 148 p. 15 illus. ISBN 978-1-4614-8680-0

Due: October 31, 2013

P.P. Godbole, Sheffield Children's NHS Foundation Trust, Sheffield, United Kingdom; M.A. Koyle, Hospital for Sick Children, Toronto, Canada; D.T. Wilcox, The Children's Hospital, Aurora, USA (Eds.)

Pediatric Endourology Techniques

Pediatric Urology has rapidly developed as a separate subspecialty in the last decade. During this time, significant advances in technology and instrumentation has meant that increasingly more procedures can be performed by the minimally invasive route. However, access to and availability of adequate training facilities and resources continues to hinder surgeons in achieving experience and expertise in the minimally invasive techniques in paediatric urology. Pediatric Endourology Techniques 2nd edition is a fully illustrated text with an accompanying web application which addresses these issues. The aim of this 2nd edition is to enable surgeons to carry out commonly performed [...]

Features

Pediatric Endourology Techniques, Second Edition enables surgeons to carry out commonly performed minimally invasive pediatric urological procedures. It not only encompasses the majority of commonly performed pediatric endourological procedures in a standardised format, but also newer techniques and procedures that have developed since publication of the first [...]

Contents

1. Laparoscopy in Children: Basic Principles.- 2. Ergonomics of Laparoscopy.- 3. Basic Principles of Robotic Surgery.- 4. Physiology of Minimally Invasive Surgery versus Open Surgery.- 5. Learning Curves, Costs and Practical Considerations.- 6. Laparoscopic Nephrectomy and Heminephrectomy.- 7. Laparoscopic Pyeloplasty.- 8. Robotic Assisted Laparoscopic Pyeloplasty.- 9. Transposition of Lower Pole Vessels: 'The Vascular Hitch'.- 10. Minimally Invasive Ureteroureterostomy.- 11. Laparoscopic Adrenalectomy.- 12. Operative Pneumovesicostomy.- 13. Laparoscopic Extravesical Reimplantation.- [...]

Fields of interest

Urology / Andrology; Pediatric Surgery; Pediatrics

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5393-1

Hardcover

2014. XIV, 354 p. 68 illus., 49 illus. in color.

ISBN 978-1-4471-5393-1

Due: October 31, 2013

R. Rahbar, Boston Children's Hospital, Boston, USA; C. Rodriguez-Galindo, Dana-Farber Cancer Institute, Boston, USA; J.G. Meara, Children's Hospital Boston, Boston, USA; E.R. Smith, Children's Hospital Boston, Boston, USA; A.R. Perez-Atayde, Children's Hospital Boston, Boston, USA (Eds.)

Pediatric Head and Neck Tumors

A-Z Guide to Presentation and Multimodality Management

The pediatric head and neck cancer patient necessitates a multidisciplinary team of specialists to provide an optimal continuum of care. This A-Z guide provides practical, in-depth information for all medical professionals involved in the evaluation and treatment of these patients. Written in an easy to follow format, each entry contains illustrative figures to aid in pathological and radiographical diagnosis, as well as structured discussion of evaluation and multimodality management. The alphabetical layout eliminates redundancy and allows the busy physician to quickly locate relevant information. Pediatric Head and Neck Tumors is ideal for young physicians as well as attending [...]

Features

The pediatric head and neck cancer patient necessitates a multidisciplinary team of specialists to provide an optimal continuum of care. This A-Z guide provides practical, in-depth information for all medical professionals involved in the evaluation and treatment of these patients. Written in an easy to follow format, each entry contains illustrative figures to aid in pathological and radiographical [...]

Contents

Part I. Evaluation and Management.- Part II. Disease Specific.

Fields of interest

Pediatrics; Oncology; Otorhinolaryngology; Neurosurgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8754-8

Hardcover

2014. I, 777 p. 257 illus., 160 illus. in color.

ISBN 978-1-4614-8754-8

Due: November 30, 2013

D.C. Stefan, Stellenbosch University & Tygerberg Child, Tygerberg, South Africa; C. Rodriguez-Galindo, Dana-Farber Cancer Institute, Boston, USA (Eds.)

Pediatric Hematology-Oncology in Countries with Limited Resources

A Practical Manual

Typically, manuals of pediatric hematology-oncology are written by specialists from high-income countries, and usually target an audience with a sub-specialist level of training, often assisted by cutting-edge diagnostic and treatment facilities. However, approximately 80% of new cases of cancer in children appear in mid- and low-income countries. Almost invariably, general practitioners or general pediatricians without special training in oncology will look after children with malignancies who enter the health care system in these countries. The diagnostic facilities are usually limited, as are the treatment options. The survival figures in these conditions are somewhere below 20%, [...]

Features

Typically, manuals of pediatric hematology-oncology are written by specialists from high-income countries, and usually target an audience with a sub-specialist level of training, often assisted by cutting-edge diagnostic and treatment facilities. However, approximately 80% of new cases of cancer in children appear in mid- and low-income countries. Almost invariably, general practitioners or general [...]

Contents

1. Childhood Cancer in Low-Income and Middle-Income Countries in the Twenty-first Century 2. Cancer Registries and the Descriptive Epidemiology of Pediatric Cancer in Low and Middle-Income Countries 3. The role of international organizations on collaboration for global pediatric cancer control 4. The role of twinning programs and telemedicine in pediatric oncology in developing countries 5. Pediatric Cancer Units and Optimization of Resources 6. Early Warning Signs of Cancer in Children / Models for Early Diagnosis 7. Care and Prevention of Infection 8. Nutritional Assessment and [...]

Fields of interest

Oncology; Hematology; Pediatrics

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-3890-8

Hardcover

2014. X, 390 p. 67 illus., 47 illus. in color.

ISBN 978-1-4614-3890-8

Due: November 30, 2013

C.T. Chambers, Dalhousie University, Halifax, Canada; G.A. Finley, Dalhousie University, Halifax, Canada; P.J. McGrath (Eds.)

Pediatric Pain

A Clinical Casebook

This is the sixth in the series of edited books from the International Forums of Pediatric Pain (the first four volumes were edited by Dr. Patrick McGrath and Dr. Finley, Dr. Chambers joined as an editor for the last volume). In keeping with the previous publications, the book will focus on a particular theme in pediatric pain; in this case that is the integration of cutting edge science and clinical practice on various themes in pediatric pain through the presentation and discussion of a series of clinical cases. Description of Pediatric Pain: A Clinical Casebook: 10 chapters, 300 pages, 10 figures, 10 tables. Each chapter will consist of an introduction to the chapter theme and the[...]

Features

This is the sixth in the series of edited books from the International Forums of Pediatric Pain (the first four volumes were edited by Dr. Patrick McGrath and Dr. Finley, Dr. Chambers joined as an editor for the last volume). In keeping with the previous publications, the book will focus on a particular theme in pediatric pain; in this case that is the integration of cutting edge science and clinical [...]

Contents

1. Research into Practice: Integration of Science and Practice.- 2. Neonatal Pain.- 3. Procedural Pain.- 4. Postoperative Pain.- 5. Headaches and Abdominal Pain.- 6. Musculoskeletal Pain.- 7. Neuropathic Pain.- 8. Complex Pain, Complex Families.- 9. Pain in Children with Developmental Disabilities.- 10. Ethical Issues in Practice.

Fields of interest

Anesthesiology; Pediatrics; Internal Medicine; General Practice / Family Medicine; Child and School Psychology; Oncology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-60327-050-2

Hardcover

2014. (Contemporary Pain Medicine)
ISBN 978-1-60327-050-2

Due: November 29, 2013

L.S. Palmer, Cohen Children's Medical Center of New York, LAKE SUCCESS, USA; J.S. Palmer, Pediatric and Adolescent Urology Institu, Beachwood, USA (Eds.)

Pediatric and Adolescent Urologic Imaging

Pediatric and Adolescent Urologic Imaging provides a comprehensive reference for health care providers of children and adolescents with urologic conditions. This is the first book in which each chapter is written collaboratively by at least one author from each specialty. This unique approach melds the expertise of each specialist and offers it to the reader in a manner aimed at reinforcing the integration of clinical information to radiologic imaging.

The book is arranged into two sections allowing for easy access to the information. The first section covers the principles of each radiologic modality as well as radiation safety and the history of uro-radiology. The second[...]

Features

Pediatric and Adolescent Urologic Imaging provides a comprehensive reference for health care providers of children and adolescents with urologic conditions. This is the first book in which each chapter is written collaboratively by at least one author from each specialty. This unique approach melds the expertise of each specialist and offers it to the reader in a manner aimed at reinforcing the [...]

Contents

Part I. Radiology Principles.- 1. History of Pediatric Urologic Imaging.- 2. Principles of Ultrasound.- 3. Principles of Computerized Tomography (CT).- 4. Principles of Magnetic Resonance Imaging (MRI).- 5. Principles of Voiding Cystourethrography (VCUG).- 6. Principles of Nuclear Medicine Imaging.- 7. Radiation Safety.- Part II. Clinical Imaging.- 8. Prenatal Imaging of the Genitourinary Tract.- 9. Renal Imaging: Congenital Anomalies of the Kidney and Urinary Tract.- 10. Renal Imaging: Hydronephrosis and Renal Obstruction.- 11. Renal Imaging: Cystic and Solid Lesions.- 12. Renal[...]

Fields of interest

Imaging / Radiology; Primary Care Medicine; Urology / Andrology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8653-4

Hardcover

2014. VII, 550 p. 422 illus., 144 illus. in color.
ISBN 978-1-4614-8653-4

Due: October 31, 2013

P.C. Rimensberger, Hôpitaux Universitaires de Genève, Geneva, Switzerland (Ed.)

Pediatric and Neonatal Mechanical Ventilation

From Basics to Clinical Practice

Written by outstanding authorities from all over the world, this comprehensive new textbook on pediatric and neonatal ventilation puts the focus on the effective delivery of respiratory support to children, infants, and newborns. In the early chapters, developmental issues concerning the respiratory system are considered, physiological and mechanical principles are introduced, and airway management and conventional and alternative ventilation techniques are discussed. Thereafter, the rational use of mechanical ventilation in various pediatric and neonatal pathologies is explained, with the emphasis on a practical step-by-step approach. Respiratory monitoring and safety issues in[...]

Features

Written by outstanding authorities from all over the world, this comprehensive new textbook devoted to pediatric and neonatal ventilation puts the focus on the effective delivery of respiratory support to children, infants, and newborns. In the early chapters, developmental issues concerning the respiratory system are considered, physiological and mechanical principles are introduced, and airway management [...]

Contents

From the contents: Basics of respiratory physiology and mechanics in the neonate and the growing child. Basics of respiratory support and mechanical ventilation (MV). Respiratory mechanics in the mechanically ventilated patient. Respiratory monitoring in the mechanically ventilated patient. Indications for respiratory support. Clinical use of conventional modes of ventilator support. Clinical use of non-conventional modes of ventilator support. General management of the ventilator-supported patient. Permissive hypercapnia. Adjunctive therapies in mechanically ventilated children and[...]

Fields of interest

Intensive / Critical Care Medicine; Pediatrics; Emergency Medicine; Anesthesiology

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-3-642-01218-1

Hardcover

2014. XX, 1000 p. 450 illus., 100 illus. in color.
ISBN 978-3-642-01218-1

Due: November 30, 2013

K. Ahrar, University of Texas, Houston, USA; S. Gupta, The University of Texas, Houston, USA (Eds.)

Percutaneous Image-Guided Biopsy

This book provides a comprehensive source for all aspects of percutaneous image-guided biopsy. A synthesis of rationale, technique and evidence-based medicine, it offers a clear approach to imaging, devices, procedures and patient care. Replete with case studies, radiological images, illustrative diagrams and tables, this valuable reference is an indispensable addition to the bookshelves of all radiologists in training as well as practicing radiologists who would like to expand their biopsy service and refine their skills. The easy to follow format, organization and graphic presentations create a high-yield approach to practical information such as indications, technical[...]

Features

This book is a state-of-the art reference to all aspects of percutaneous image-guided biopsy. It highlights various approaches to specific anatomic sites, describes potential complications of the procedure, and outlines management strategies. Featuring an extensive collection of radiological images as well as clinical case studies, illustrative diagrams, and tables, the book synthesizes the rationale, [...]

Contents

The role of biopsy in management of patients with tumors and tumor-like lesions.- Modern imaging technology: the foundation for image guided biopsy.- Tools of the trade: from simple needles to robotics.- Sampling and pathology considerations.- Patient assessment and care before, during, and after biopsy.- Coding and billing.- Head and Neck Masses.- Thyroid Gland.- Lung.- Mediastinum.- Pleura.- Liver.- Pancreas.- Spleen.- Adrenal Gland.- Kidney.- Omentum.- Mesenteric and Retroperitoneal Nodes and Soft Tissue Masses.- Pelvic Masses.- Prostate.- Skull.- Spine.- Pelvic Bones.- Extremities.- [...]

Fields of interest

Interventional Radiology; Imaging / Radiology; Diagnostic Radiology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8216-1

Hardcover

2014. X, 375 p. 302 illus., 101 illus. in color.
ISBN 978-1-4614-8216-1

Due: October 31, 2013

P. Avanzas, Hospital Universitario, Oviedo, Spain; P. Clemmensen, University of Copenhagen, Copenhagen, Denmark (Eds.)

Pharmacological Treatment of Acute Coronary Syndromes

Cardiovascular pharmacotherapy is a fast-moving and complex discipline within cardiology in general. New studies, trials and indications are appearing on a regular basis. This series, and this particular title within the series, is designed to establish the baseline level of knowledge that a cardiovascular professional needs to know on a day-to-day basis. The information within is designed to allow readers to learn quickly and with certainty the mode of action, the possible adverse effects, and the management of patients prescribed these drugs. The emphasis is on current practice, but with an eye to the near-future direction of treatment. This book is intended to update clinicians on[...]

Features

This book updates clinicians on the most recent data regarding the medical management of patients of acute coronary syndrome (ACS), providing useful information and expert opinion on the large trials, international guidelines, and clinical practice. It reinforces the need for rapid intervention with pharmacologic therapies to treat and prevent coronary thromboembolism, and to prepare the patient for [...]

Contents

Foreword.- Preface.- Anti-ischemic Therapy.- Anti-aggregant Therapy: New potent P2Y12 inhibitors.- Anticoagulation Therapy: Heparins and Factor Xa inhibitors.- Secondary prevention in ACS The role of novel oral anticoagulants.- American vs European guidelines.- Critical appraisal.- Triple therapy: Risky but sometimes necessary.- Management of bleeding complications.

Fields of interest

Cardiology; Pharmacy; Pharmacotherapy

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5423-5

Softcover

2014. XVI, 237 p. 23 illus., 11 illus. in color. (Current Cardiovascular Therapy)
ISBN 978-1-4471-5423-5

Due: September 30, 2013

E. Mowatt-Larssen, Vein Specialists of Monterey, Monterey, USA; S.S. Desai, University of Texas-Houston, Houston, USA; A. Dua, University of Texas-Houston, Houston, USA; C.E.K. Shortell, Duke University Medical Center, Durham, USA (Eds.)

Phlebology, Vein Surgery and Ultrasonography

Diagnosis and Management of Venous Disease

This comprehensive, up-to-date textbook offers detailed coverage of venous anatomy, pathophysiology, imaging, and management of venous pathology, leading the practitioner through all aspects of care of the venous patient. The various techniques that have revolutionized the diagnosis and treatment of venous disease during the past decade are all discussed, with clear guidance on their indications and performance. The book is exceptional in being based entirely on the curriculum designed for board certification by the American College of Phlebology. A further unique aspect of the text is the integration of ultrasound, which now plays a fundamental role in diagnosis and management. The[...]

Features

The management of venous pathology has been revolutionized by technological advancements. Venous disease is now managed with a wide variety of techniques that collectively allow physicians to diagnose and treat venous problems in ways that few surgeons would have anticipated even a decade ago. Techniques include laser ablation, radiofrequency ablation, chemical ablation (sclerotherapy), high ligation with [...]

Contents

Basic Sciences: Anatomy.- Pathophysiology of Reflux.-Presentation of Chronic Venous Disease.-Reflux Management. Vein Testing: Ultrasound Physics.-Ultrasound For Reflux.-Ultrasound For Phlebology Procedures.-Physiologic Testing.- Conventional and Cross-Sectional Venography. Superficial Vein Therapy.- Endovenous Thermal Ablation.- Chemical Superficial Vein Ablation.- Surgical Techniques.- Transcutaneous Laser Vein Ablation. Non-Superficial Veins: Perforator Veins.- Upper Deep Vein Disease.- Lower Deep Vein Disease.- Low Flow Vascular Malformations. Thrombosis: Ultrasound for Thrombosis.- [...]

Fields of interest

Surgery; Vascular Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-319-01811-9

Hardcover

2014. X, 416 p. 188 illus., 133 illus. in color.
ISBN 978-3-319-01811-9

Due: November 30, 2013

D.M. Turgut, Adnan Menderes University, Aydin, Turkey; A.K. Mahapatra, All India Institute of Medical Sciences, New Delhi, India; M. Powell, National Hospital for Neurology and, London, United Kingdom; N. Muthukumar, Madurai Medical College, Madurai, India (Eds.)

Pituitary Apoplexy

Pituitary apoplexy is a rare and life-threatening complication that occurs in 0.6–10.5% of all patients with pituitary adenomas. Unfortunately, pituitary apoplexy is often misdiagnosed before surgery. Furthermore, in spite of all the advances in imaging techniques and therapeutic methods, its optimal management is still controversial owing to the limited individual experience and the very variable clinical course of the condition. This book provides an in-depth review of knowledge of the management of pituitary apoplexy, with an emphasis on clinical and neuroradiological findings and treatment modalities, medical and surgical. In addition, it supplies clinicians and investigators with[...]

Features

Pituitary apoplexy is a rare and life-threatening complication that occurs in 0.6–10.5% of all patients with pituitary adenomas. Unfortunately, pituitary apoplexy is often misdiagnosed before surgery. Furthermore, in spite of all the advances in imaging techniques and therapeutic methods, its optimal management is still controversial owing to the limited individual experience and the very variable clinical [...]

Contents

Introduction: Definition, History, Frequency, Histopathology and Pathophysiology of Pituitary Apoplexy. Overview: Conservative versus Surgical Decompression for Pituitary Apoplexy. Tumours Types which Show Apoplexy: Predisposing factors for Pituitary Apoplexy.- Non-functioning tumour apoplexy.- Apoplexy in previously known tumours.- Post-operative Pituitary Apoplexy. Clinical Features: Clinical features of Pituitary Apoplexy.- Subarachnoid hemorrhage with Pituitary Adenoma.- Cerebral ischaemia in Pituitary Apoplexy. Visual and Endocrine Assessment: Visual acuity, eye movements and[...]

Fields of interest

Neurosurgery; Endocrinology; Ophthalmology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-38507-0

Hardcover

2014. VI, 176 p. 31 illus., 11 illus. in color.
ISBN 978-3-642-38507-0

Due: November 30, 2013

I.C. Macdougall, King's College Hospital, London, United Kingdom

Pocket Reference to Renal Anemia

Pocket Reference to Renal Anemia, Second edition, provides a comprehensive overview of anemia in patients with renal disease, including the definition and causes of renal anemia, current management approaches, and the latest clinical practice guidelines. Key learning points are highlighted throughout the book and also listed at the end of the book for a quick reference. The book is useful for general physicians, fellows, and other healthcare professionals wishing to learn more about renal anemia.

Features

Pocket Reference to Renal Anemia, Second edition, provides a comprehensive overview of anemia in patients with renal disease, including the definition and causes of renal anemia, current management approaches, and the latest clinical practice guidelines. Key learning points are highlighted throughout the book and also listed at the end of the book for a quick reference. The book is useful for general [...]

Contents

What is renal anemia?.- What is the cause of renal anemia?.- Stepwise approach to anemia management in patients with chronic kidney disease.- Excluding other causes of anemia.- Iron management.- Erythropoiesis-stimulating agent therapy.- Blood transfusions.- Guidelines on the management of renal anemia.- What is the future of renal anemia management?.- Conclusions.

Fields of interest

Nephrology; Hematology

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-1-908517-74-6

Softcover

2014. X, 62 p. 15 illus.
ISBN 978-1-908517-74-6

Due: November 30, 2013

L. Pal, Yale University School of Medicine, New Haven, USA (Ed.)

Polycystic Ovary Syndrome

Current and Emerging Concepts

Presenting an overview of the current understanding of the pathophysiology of PCOS and a paradigm for the clinical evaluation and management of the disorder, Polycystic Ovary Syndrome is written in an easy to digest, concise format that, with bulleted key points introducing each chapter, is suitable for the trainee and the busy clinician. The breadth and depth of coverage of today's queries and controversies will be of particular interest to the specialist and researcher. An international group of leading experts addresses the varied etiologies of PCOS, comprehensively covering the contemporary treatment approaches and long-term implications of PCOS, a common yet poorly understood[...]

Features

Presenting an overview of the current understanding of the pathophysiology of PCOS and a paradigm for the clinical evaluation and management of the disorder, Polycystic Ovary Syndrome is written in an easy to digest, concise format that, with bulleted key points introducing each chapter, is suitable for the trainee and the busy clinician. The breadth and depth of coverage of today's queries and [...]

Contents

Part I: Diagnostic Criteria and Epidemiology of PCOS.- Diagnostic Criteria and Epidemiology of PCOS.- Polycystic Ovarian Syndrome: A Diagnosis of Exclusion.- Part II: Pathophysiology of PCOS.- Recent Advances in the Genetics of Polycystic Ovary Syndrome.- Ovarian Dysfunction in Polycystic Ovary Syndrome.- The Role of the Adrenal Glands in the Hyperandrogenism Associated with Polycystic Ovarian Syndrome.- The Hypothalamic-Pituitary Axis in PCOS.- Insulin Resistance and Lipotoxicity in PCOS: Causes and Consequences.- Obesity, Metabolic Dysfunction, and Inflammation in Polycystic Ovary[...]

Fields of interest

Reproductive Medicine; Gynecology; Endocrinology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8393-9

Hardcover

2014. XVII, 340 p. 34 illus., 21 illus. in color.
ISBN 978-1-4614-8393-9

Due: October 31, 2013

A. Dabbagh, Shahid Beheshti University, Tehran, Iran; F. Esmailian, Cedars-Sinai Heart Institute, Los Angeles, CA, USA; S. Aranki, Brigham and Women's Hospital, Boston, USA (Eds.)

Postoperative Critical Care for Cardiac Surgical Patients

Cardiac surgical procedures are among the most common and most complicated forms of surgery worldwide, and the postoperative period is characterized by complex challenges. Among the factors determining ultimate clinical outcome, postoperative critical care is of major importance. This book adopts a clinical approach in explaining and analyzing the course of clinical care in patients undergoing cardiac surgery. Since the postoperative clinical status is directly influenced by preoperative and intraoperative factors, the early chapters briefly examine preoperative issues and the intraoperative course of cardiac surgery, with particular attention to anesthesia and the process of [...]

Features

Cardiac surgical procedures are among the most common and most complicated forms of surgery worldwide, and the postoperative period is characterized by complex challenges. Among the factors determining ultimate clinical outcome, postoperative critical care is of major importance. This book adopts a clinical approach in explaining and analyzing the course of clinical care in patients undergoing cardiac surgery. [...]

Contents

Synopsis of Cardiac Physiology.- Cardiac Pathophysiology.- Cardiovascular Pharmacology.- Cardiovascular Monitoring.- Central Nervous System Monitoring.- Coagulation Monitoring.- Risk and Outcome Assessments.- Cardiac Anesthesia.- Cardiopulmonary Bypass and its Effects.- Myocardial Protection and its Effects.- Respiratory Management.- Cardiovascular Management.- CNS Management.- Coagulation and Postoperative Bleeding.- Fluid and Electrolyte Management.- Management of the Other Systems.- Long Term Complications Postoperative care in Pediatric Cardiac Surgeries.

Fields of interest

Intensive / Critical Care Medicine; Cardiology; Surgery

Target groups

Upper undergraduate

Type of publication

Professional book

More on www.springer.com/978-3-642-40417-7

Hardcover

2014. X, 490 p. 52 illus., 41 illus. in color.
ISBN 978-3-642-40417-7

Due: November 30, 2013

M. Keshtgar, Royal Free Hospital, London, United Kingdom; K. Pigott, Royal Free Hospital, London, United Kingdom; F. Wenz, Universitätsklinikum Mannheim, Mannheim, Germany (Eds.)

Practical Guide to Targeted Intraoperative Radiotherapy: TARGIT

Targeted intraoperative radiotherapy is a major advance in the management of cancer patients and has been attracting massive interest worldwide following publication of the results of an important randomized controlled trial in *The Lancet*. This textbook is designed to introduce this innovative technology in a comprehensive manner to clinicians dealing with cancer patients. Throughout, the emphasis is on practical aspects, and the text is supported by many excellent illustrations. The editors of the book have extensive experience in targeted intraoperative radiotherapy and include co-directors of the TARGIT Academy, which runs international training courses on the technology in the [...]

Features

Targeted intraoperative radiotherapy is a major advance in the management of cancer patients and has been attracting massive interest worldwide following publication of the results of an important randomized controlled trial in *The Lancet*. This textbook is designed to introduce this innovative technology in a comprehensive manner to clinicians dealing with cancer patients. Throughout, the emphasis is on [...]

Contents

Concept and review of the evidence.- Mechanism of Action of TARGIT.- How to use IntraBeam.- Quality Assurance and Commissioning.- Radiation protection.- Radiobiology of TARGIT.- Surgical aspects of TARGIT Technique in Breast Cancer.- Follow-up findings in the tumour bed after IORT- What the Radiologist needs to know.- Quality of life and late radiation toxicity.- Cosmetic outcome following TARGIT.- Targeted Intraoperative Radiotherapy and Persistent Pain After Treatment.- Other applications.- Intraoperative Photon Radiosurgery in Patients with Malignant Brain Tumours.- Intraoperative [...]

Fields of interest

Radiotherapy; Surgical Oncology; Gynecology; Oncology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-39820-9

Hardcover

2014. XV, 165 p. 104 illus., 92 illus. in color.
ISBN 978-3-642-39820-9

Due: November 30, 2013

B. Allaria (Ed.)

Practical Issues in Anesthesia and Intensive Care 2013

This book is an up-to-date guide to the most widely debated practical and management issues in anesthesia and intensive care. It provides validated information on the state of the art regarding a wide range of topics, including choice of imaging techniques in the management of ARDS patients, the value and limits of continuous renal replacement therapy in intensive care, the prevention and treatment of postoperative shivering, the diagnosis and treatment of postoperative paralytic ileus, ways to prevent acute lung injury, the prevention of perioperative myocardial ischemia, and the management of invasive candidiasis in intensive care. All subjects are addressed in a lively and [...]

Features

This book is an up-to-date guide to the most widely debated practical and management issues in anesthesia and intensive care. It provides validated information on the state of the art regarding a wide range of topics, including choice of imaging techniques in the management of ARDS patients, the value and limits of continuous renal replacement therapy in intensive care, the prevention and treatment of [...]

Contents

1 Perioperative fluid therapy and fluid therapy in patients with sepsis. In search of clarification.- 2 Enough has been written about the treatment of ALI, but has enough been said about how to prevent it?.- 3 Prevention of perioperative myocardial ischemia.- 4 Respiratory complications after major abdominal surgery: causes, diagnosis, and prevention.- 5 Positive and negative aspects of aerosol therapies in ventilated patients.- 6 Update on lung imaging to select ventilation management in ARDS patients.- 7 Chest X-ray in ICU: an examination in which there is too much [...]

Fields of interest

Anesthesiology; Emergency Medicine; Intensive / Critical Care Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-88-470-5528-5

Softcover

2014. IV, 188 p. 24 illus., 18 illus. in color.
ISBN 978-88-470-5528-5

Due: October 31, 2013

S.A. Shobeiri, The University of Oklahoma, Oklahoma City, USA (Ed.)

Practical Pelvic Floor Ultrasonography

A Multicompartmental Approach to 2D/3D/4D Ultrasonography of Pelvic Floor

Practical Pelvic Floor Ultrasonography: A Multicompartmental Approach to 2D/3D/4D Ultrasonography of Pelvic Floor provides an introduction to pelvic floor imaging, as well as a resource to be used during initial and more advanced practice. The book helps readers gain competence in performing 2D/3D/4D transperineal, and 2D/3D endovaginal / endoanal ultrasound evaluation of the pelvic floor, including anal sphincter and levator ani complex. The text also shows interested clinicians how to obtain optimal images of pelvic floor muscles and organs, how to obtain useful images of the anal canal, levator ani complex, urethra, and how to interpret clinical implications of alterations of the[...]

Features

Practical Pelvic Floor Ultrasonography: A Multicompartmental Approach to 2D/3D/4D Ultrasonography of Pelvic Floor provides an introduction to pelvic floor imaging, as well as a resource to be used during initial and more advanced practice. The book helps readers gain competence in performing 2D/3D/4D transperineal, and 2D/3D endovaginal / endoanal ultrasound evaluation of the pelvic floor, including [...]

Contents

Pelvic Floor Anatomy.- 2D / 3D Endovaginal and Endoanal Instrumentation and Techniques.- Instrumentation and Techniques for Translabial and Transperineal Pelvic Floor Ultrasound.- 3D Endovaginal Ultrasound imaging of the Levator Ani Muscles.- Endovaginal Urethra and Bladder Imaging.- 3D Endovaginal Imaging of the Anorectal Structures.- Endovaginal Imaging of Vaginal Implants.- Endovaginal Imaging of Pelvic Floor Cysts and Masses.- Three-dimensional Endoanal Ultrasonography of the Anorectal Region.- Endoanal Ultrasonographic Imaging of the Anorectal Cysts and Masses.- Emerging Imaging[...]

Fields of interest

Urology / Andrology; Colorectal Surgery; Imaging / Radiology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8425-7

Hardcover

2014. XI, 237 p. 302 illus., 261 illus. in color.
ISBN 978-1-4614-8425-7

Due: November 28, 2013

A. Rane, F.X. Keeley, North Bristol NHS Trust, Bristol, United Kingdom (Eds.)

Practical Tips in Urology

Practical Tips in Urology is a compact, illustrated reference which provides the reader with practical tips and advice in managing day-to-day urological issues encountered in a clinical setting. This book draws on practical experience and offers useful information that is often lacking in didactic textbooks of urology and in journal articles. Practical Tips in Urology provides tips in dealing with urological emergencies, elective surgery and common outpatient consultation problems, among other things. Written by experts in the field, Practical Tips in Urology is key reading for all practicing urologists and residents in training.

Features

Practical Tips in Urology is a compact, illustrated reference which provides the reader with practical tips and advice in managing day-to-day urological issues encountered in a clinical setting. This book draws on practical experience and offers useful information that is often lacking in didactic textbooks of urology and in journal articles. Practical Tips in Urology provides tips in dealing with urological [...]

Fields of interest

Urology / Andrology; Surgery

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4471-4347-5

Softcover

2014. XX, 180 p. 20 illus. in color.
ISBN 978-1-4471-4347-5

Due: November 6, 2013

T. El-Toukhy, P. Braude (Eds.)

Preimplantation Genetic Diagnosis in Clinical Practice

Preimplantation genetic diagnosis (PGD) is a rapidly advancing field of reproductive genetics. With the significant improvements achieved over the last few years in the understanding of many genetic diseases and in the techniques of molecular genetic testing, new genetic diseases are being added to the list of conditions amenable to PGD almost on a weekly basis. Therefore, the subject of PGD is becoming relevant to a much wider variety of medical disciplines and an increasing number of patients who may wish to know more about this treatment option. This unique book offers a comprehensive yet practical "user-friendly" guide to preimplantation genetic diagnosis (PGD). It provides[...]

Features

This unique book offers a comprehensive yet practical user-friendly guide to preimplantation genetic diagnosis (PGD). It provides understanding of and insight into the complete procedure, its recent clinical and laboratory developments and its future prospects, whilst offering an easy point of reference for patient enquiries. Concluding with perspectives on the ethical and social issues often encountered by [...]

Contents

Introduction.- Basic Genetics for PGD.- Genetic counselling and its role in PGD.- Complex issues in PGD.- Assisted Reproductive Care for PGD Patients.- Embryology and PGD.- PGD for sex-determination and chromosome rearrangements: FISH and emerging technologies.- PGD analysis of embryos for monogenic disorders.- Managing the PGD cycle.- Training and Accreditation in PGD.- PGD data in the UK and Europe.- PGD Facts and Figures.- Pre-implantation diagnosis and HLA-typing: the potential for selection of unaffected HLA matched siblings.- PGD and human embryonic stem cell technology.- Ethical[...]

Fields of interest

Reproductive Medicine; Obstetrics / Perinatology; Maternal and Child Health; Practice Management

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-2947-9

Softcover

2014. XI, 200 p. 34 illus., 31 illus. in color.
ISBN 978-1-4471-2947-9

Due: November 30, 2013

D.R. Thomas, MD, Saint Louis University, Saint Louis, USA; G. Compton, MD, Geriatric Medicine and Palliative Care, Johns Island, USA (Eds.)

Pressure Ulcers in the Aging Population

A Guide for Clinicians

Medical practitioners receive little, if any, formal training in the prevention, assessment and management of pressure ulcers and other chronic wounds.

Pressure Ulcers in the Aging Population: A Guide for Clinicians is a resource primarily aimed at physicians interested in the fundamentals of wound care. This book is written for geriatricians, internists, general practitioners, residents and fellows who treat older patients and unlike other texts on the market addresses the specific issues of wound prevention and management in older individuals. Pressure Ulcers in the Aging Population: A Guide for Clinicians emphasizes prevention, proper documentation and the team care process[...]

Features

Pressure Ulcers in the Aging Population: A Guide for Clinicians is a resource primarily aimed at physicians interested in the fundamentals of wound care. This book is written for geriatricians, internists, general practitioners, residents and fellows who treat older patients. Unlike other wound texts on the market, the book addresses the specific issues of wound prevention and management in older [...]

Contents

1. Introduction 2. Physiology of Chronic Wound Healing 3. Incidence and Prevalence of Pressure Ulcers 4. Risk Assessment Instruments 5. Prevention of Pressure Ulcers 6. Assessment of Documentation of Pressure Ulcers 7. General Principles of Pressure Ulcer Treatment 8. Specific Principles of Pressure Ulcer Treatment 9. The Role of Nutrition in Prevention and Treatment of Pressure Ulcers 10. Assessment and Management of Wound Colonization and [...]

Fields of interest

Geriatrics / Gerontology; Internal Medicine; General Practice / Family Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-62703-699-3

Hardcover

2014. X, 224 p. 32 illus., 25 illus. in color. (Aging Medicine, Vol. 1)

ISBN 978-1-62703-699-3

Due: November 30, 2013

M. Aapro, Multidisciplinary Oncology Institute, Genolier, Switzerland; K. Jordan, P. Feyer, Vivantes Klinikum Neukölln, Berlin, Germany

Prevention of Nausea and Vomiting in Cancer Patients

Treatment tolerance is a challenge for most cancer patients, and it is therefore essential that healthcare professionals (HCPs) are quick to recognize adverse events and implement management strategies to address them. Prevention of Nausea and Vomiting in Cancer Patients provides comprehensive guidance on managing nausea and vomiting, which are common and often severe adverse events experienced by patients receiving chemotherapy and radiotherapy. The book refers to the latest American Society of Clinical Oncology (ASCO), European Society of Medical Oncology (ESMO), and Multinational Association for Supportive Care in Cancer (MASCC) guidelines and will be a useful resource for [...]

Features

Treatment tolerance is a challenge for most cancer patients, and it is therefore essential that healthcare professionals (HCPs) are quick to recognize adverse events and implement management strategies to address them. Prevention of Nausea and Vomiting in Cancer Patients provides comprehensive guidance on managing nausea and vomiting, which are common and often severe adverse events experienced by patients [...]

Contents

Introduction.- Pathophysiology and classification of chemotherapy-induced nausea and vomiting.- Risk factors associated with nausea and vomiting after chemotherapy.- Risk factors associated with nausea and vomiting after radiotherapy.- Antiemetic drugs.- Antiemetic prophylaxis of chemotherapy-induced nausea and vomiting.- Antiemetic prophylaxis of radiotherapy-induced nausea and vomiting.- Summary of the approach to treatment of chemotherapy-induced nausea and vomiting.- Conclusions and future directions.

Fields of interest

Oncology; Radiotherapy; Pharmacotherapy

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-1-908517-87-6

Softcover

2014. X, 62 p. 5 illus., 3 illus. in color.

ISBN 978-1-908517-87-6

Due: December 15, 2013

A.D. Kaye, S. Davis (Eds.)

Principles of Neurophysiological Assessment, Mapping, and Monitoring

This book provides foundational knowledge of intraoperative monitoring (IOM) and is written for the range of clinicians who monitor the function of the nervous system during surgery, from new technologists to neurophysiologists and neurosurgeons. Early chapters describe the building blocks of IOM in accessible terms and are followed by practical chapters on monitoring and mapping that show basic and clinical science "in action". Anesthesiologists and trainees with an interest in diagnosing and managing pain will appreciate the inclusion of chapters on the electrophysiological assessment of spinal cord pathology and on the treatment of pain. Principles of Neurophysiological Assessment, [...]

Features

This book provides foundational knowledge of intraoperative monitoring (IOM) and is written for the range of clinicians who monitor the function of the nervous system during surgery, from new technologists to neurophysiologists and neurosurgeons. Early chapters describe the building blocks of IOM in accessible terms and are followed by practical chapters on monitoring and mapping that show basic and [...]

Contents

1. Introduction to the Operating Room.- 2. Anatomy of Intraoperative Monitoring.- 3. Cellular Neurophysiology.- 4. Electrophysiology and Bioinstrumentation.- 5. Anesthesiology and Intraoperative Electrophysiological Monitoring.- 6. Somatosensory Evoked Potential Monitoring.- 7. Motor Evoked Potentials.- 8. Electromyography (EMG).- 9. Brainstem Auditory Evoked Potentials.- 10. Electroencephalography.- 11. The H-Reflex and F-Response.- 12. Monitoring Procedures of the Spine.- 13. Intraoperative Monitoring for Surgery of the Spinal Cord and Cauda Equina.- 14. Monitoring Posterior Fossa [...]

Fields of interest

Anesthesiology; Neurosurgery; Neurology; Surgery

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8941-2

Softcover

2014. XX, 230 p. 167 illus., 119 illus. in color.

ISBN 978-1-4614-8941-2

Due: December 31, 2013

J. Magnuson, Oregon Health & Science University, Portland, USA;
J. Aspevig, Montana Tech of the University of Montana, Butte,
USA; P. Fu Jr., Center for Biomedical and Public Health, Torrance,
USA (Eds.)

Public Health Informatics and Information Systems

This revised edition covers all aspects of public health informatics and discusses the creation and management of an information technology infrastructure that is essential in linking state and local organizations in their efforts to gather data for the surveillance and prevention. Public health officials will have to understand basic principles of information resource management in order to make the appropriate technology choices that will guide the future of their organizations. Public health continues to be at the forefront of modern medicine, given the importance of implementing a population-based health approach and to addressing chronic health conditions. This book provides[...]

Features

This revised edition covers all aspects of public health informatics and discusses the creation and management of an information technology infrastructure that is essential in linking state and local organizations in their efforts to gather data for the surveillance and prevention. Public health officials will have to understand basic principles of information resource management in order to make the [...]

Fields of interest

Health Informatics; Public Health

Target groups

Professional/practitioner

Type of publication

Reference work

More on www.springer.com/978-1-4471-4236-2

Hardcover

2014. XVI, 476p. (Health Informatics)
ISBN 978-1-4471-4236-2

Due: February 28, 2014

M.A. Judson, Albany Medical College, Albany, USA (Ed.)

Pulmonary Sarcoidosis

A Guide for the Practicing Clinician

Pulmonary Sarcoidosis: A Guide for the Practicing Clinician is a valuable resource for clinicians of varied disciplines concerning the care of the sarcoidosis patient. Sarcoidosis is a multi-system disorder and represents a major challenge to physicians. Although any organ may be involved with sarcoidosis, the lung is the most common organ affected. Chapters are written by distinguished authors who have extensive experience in caring for these patients. Detailed figures and tables are provided to guide the practicing clinician through all aspects of the condition, from clinical manifestations to treatment options. Pulmonary Sarcoidosis: A Guide for the Practicing Clinician is fully[...]

Features

Pulmonary Sarcoidosis: A Guide for the Practicing Clinician is a valuable resource for clinicians of varied disciplines concerning the care of the sarcoidosis patient. Sarcoidosis is a multi-system disorder and represents a major challenge to physicians. Although any organ may be involved with sarcoidosis, the lung is the most common organ affected. Chapters are written by distinguished authors who have [...]

Contents

The Diagnosis of Sarcoidosis.- The Pulmonary Manifestations of Sarcoidosis.- The Treatment of Pulmonary Sarcoidosis.- Acute Pulmonary Exacerbation of Sarcoidosis: APES.- Advanced ("End-Stage") Pulmonary Sarcoidosis.- Sarcoidosis Associated Pulmonary Hypertension.- Monitoring Pulmonary Sarcoidosis.- Extrapulmonary Sarcoidosis.- Instructive Cases of Pulmonary Sarcoidosis.

Fields of interest

Pneumology/Respiratory System; Internal Medicine; Primary Care Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8926-9

Hardcover

2014. IX, 317 p. 52 illus. in color. (Respiratory Medicine, Vol. 17)

ISBN 978-1-4614-8926-9

Due: October 31, 2013

R. LOCKO (Ed.)

Quality and Patient Safety in Imaging

The appropriate utilization of imaging technology is an important concern in today's rapidly changing health care environment. Recent advances occurring in imaging modalities such as Multi-Slice CT, interventional radiology, MRI, and nuclear medicine have had a significant impact on the safety and quality of patient care. Quality and Patient Safety in Imaging presents a comprehensive overview of the current issues involved in the creation of programs and protocols to ensure uniform standards of quality and safety are maintained in diagnostic imaging procedures. The book is intended as a reference source not only for imaging professionals, but also for referring clinicians and allied[...]

Features

The appropriate utilization of imaging technology is an important concern in today's rapidly changing health care environment. Recent advances occurring in imaging modalities such as Multi-Slice CT, interventional radiology, MRI, and nuclear medicine have had a significant impact on the safety and quality of patient care. Quality and Patient Safety in Imaging presents a comprehensive overview of the current [...]

Fields of interest

Imaging / Radiology; Diagnostic Radiology; Neuro-radiology; Nuclear Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4419-9850-7

Hardcover

2013. 500p. 500 illus., 100 illus. in color.
ISBN 978-1-4419-9850-7

Due: August 28, 2013

K. Tanigawa, Hiroshima University, Hiroshima, Japan; R.K. Chhem (Eds.)

Radiation Disaster Medicine

Perspective from the Fukushima Nuclear Accident

While many books are available on disaster medicine, none is specifically devoted to the role of physicians in the management of patients exposed to radiation leakage from a damaged nuclear power plant. Radiation Disaster Medicine aims to fill this void based on the response to the Fukushima nuclear accident. Each chapter addresses principles and practices of radiation medicine within the specific context of that accident. Topics covered include the role of physicians in radiation disasters, the concepts of external and internal exposure, prehospital and hospital response, disaster behavioral health, and radiation emergency response from the perspective of national and international[...]

Features

The role of disaster medicine is becoming more important as the frequency and severity of natural and technological disasters increase. The triple disaster that occurred in Fukushima on March 11, 2011 calls for innovation in the training of health care professionals, pre-hospital emergency care providers, and emergency personnel in the management of the medical consequences of radiation [...]

Contents

Physicians' early response to Fukushima Daiichi nuclear power plant accident: Challenges and lessons learned.- General considerations in radiation disaster medicine.- Medical perspective.- Pre-hospital emergency medical response.- Hospital emergency medical response.- Disaster behavioral health: Psychological effects of the Fukushima nuclear power plant accident.- Management perspective: Structure of radiation emergency response in Japan.- Management perspective: Structure of radiation emergency response in International Organizations.- Radiation disaster medicine curriculum revisited[...]

Fields of interest

Emergency Medicine; Radiotherapy; Medicine (general); Nuclear Energy

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-319-02215-4

Hardcover

2014. VI, 173 p. 41 illus., 34 illus. in color.

ISBN 978-3-319-02215-4

Due: November 30, 2013

J.A. Eastham, Memorial Sloan-Kettering Cancer Center, New York, USA; E. Schaeffer, The Johns Hopkins University, Baltimore, USA (Eds.)

Radical Prostatectomy

Surgical Perspectives

Radical Prostatectomy: Surgical Perspectives provides surgeons with a comprehensive overview of the anatomical approach to radical prostatectomy, whether done through an open (retropubic) or robotic-assisted laparoscopic approach. All chapters are structured to provide a step-by-step approach to the most technically demanding and most common oncologic procedure in urology surgery. The book includes highly practical presentations of typical surgical patients seen in the clinical practice of urology and relies heavily on illustrations and intraoperative photographs to clearly complement the text. In addition, the book includes a detailed description of the management of uncommon but[...]

Features

Radical Prostatectomy: Surgical Perspectives provides surgeons with a comprehensive overview of the anatomical approach to radical prostatectomy, whether done through an open (retropubic) or robotic-assisted laparoscopic approach. All chapters are structured to provide a step-by-step approach to the most technically demanding and most common oncologic procedure in urology surgery. The book includes [...]

Contents

Surgical Anatomy.- Anesthetic Considerations: Open versus Minimally Invasive Surgery.- Patient Positioning; Incision/Port Placement.- Pelvic Lymph Node Dissection for Prostate Cancer.- The Transperitoneal Robotic-Assisted Radical Prostatectomy.- Robotic-Assisted Radical Prostatectomy: A Surgical Guide to the Extraperitoneal Approach.- Open Radical Retropubic Prostatectomy.- Salvage Robotic-Assisted Laparoscopic Radical Prostatectomy.- Open Salvage Radical Prostatectomy for Recurrence of Prostate Cancer after Radiation Therapy.- Challenging Cases in Robotic Radical Prostatectomy.- [...]

Fields of interest

Urology / Andrology; Surgical Oncology; Oncology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8692-3

Hardcover

2014. X, 440 p. 127 illus., 95 illus. in color.

ISBN 978-1-4614-8692-3

Due: November 30, 2013

L. Lau, International Radiology Quality Network, Balwyn, Australia; K.-H. Ng, University of Malaya, Kuala Lumpur, Malaysia (Eds.)

Radiological Safety and Quality

Paradigms in Leadership and Innovation

This book is the product of a unique collaboration by experts from leading international, regional and national agencies and professional organizations discussing on the current 'hot' issue on the judicious use and safety of radiation in radiology. There have been several cases involving radiation overexposure that have received international attention. Strategies and solutions to guide readers how to maximize the benefits and minimize the risks when using radiation in medicine are covered.

Features

Radiological Safety and Quality - Paradigms in Leadership and Innovation is a multi-disciplinary and inter-sectorial collaboration by international experts and leaders from academic institutions, radiology practices, professional organizations, regulatory authorities, UN and international agencies. Established principles and new concepts, challenges and opportunities, and examples of leadership and [...]

Contents

Radiological Safety and Quality.- Procedure Justification, Protection Optimization, and Error Reduction.- Infrastructure Improvements.- Global, Regional and National Challenges, Actions and Opportunities.

Fields of interest

Imaging / Radiology; Medical and Radiation Physics; Effects of Radiation / Radiation Protection; Human Physiology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-94-007-7255-7

Hardcover

2014. XIX, 462 p. 78 illus., 34 illus. in color.

ISBN 978-94-007-7255-7

Due: October 31, 2013

K.S. Lee, Samsung Medical Center, Seoul, Korea(Rep.); J. Han, Samsung Medical Center, Seoul, Korea(Rep.); M.P. Chung, Samsung Medical Center, Seoul, Korea(Rep.); Y.J. Jeong, Pusan National University Hospital, Busan, Korea(Rep.)

Radiology Illustrated: Chest Radiology

The purpose of this atlas is to illustrate how to achieve reliable diagnoses when confronted by the different abnormalities, or “disease patterns”, that may be visualized on CT scans of the chest. The task of pattern recognition has been greatly facilitated by the advent of multidetector CT (MDCT), and the focus of the book is very much on the role of state-of-the-art MDCT. A wide range of disease patterns and distributions are covered, with emphasis on the typical imaging characteristics of the various focal and diffuse lung diseases. In addition, clinical information relevant to differential diagnosis is provided and the underlying gross and microscopic pathology is depicted, [...]

Features

The purpose of this atlas is to illustrate how to achieve reliable diagnoses when confronted by the different abnormalities, or “disease patterns”, that may be visualized on CT scans of the chest. The task of pattern recognition has been greatly facilitated by the advent of multidetector CT (MDCT), and the focus of the book is very much on the role of state-of-the-art MDCT. A wide range of disease patterns and [...]

Contents

Chapter 1 Focal Lung Diseases.- Ch 1-1 Nodule.- Ch 1-1a Solid nodule.- Ch 1-1b Ground-glass opacity nodule.- Ch 1-2 Mass.- Ch 1-3 Consolidation.- Ch 1-3a Lobar consolidation.- Ch 1-3b Nodular consolidation.- Ch 1-4 Reticular or linear pattern.- Ch 1-5 Comet tail sign.- Ch 1-6 CT halo sign.- Ch 1-7 Galaxy sign.- Ch 1-8 Reversed halo sign.- Ch 1-9 Tree-in-bud sign.- Ch 1-10 Gloved-finger or toothpaste sign.- Ch 1-11 Decreased opacity with cystic airspace.- Ch 1-11a Decreased opacity with cystic airspace wall, cavity.- Ch 1-11b Decreased opacity with cystic airspace wall, cyst.- Ch 1-12 [...]

Fields of interest

Imaging / Radiology; Diagnostic Radiology

Target groups

Professional/practitioner

Type of publication

Atlas

More on www.springer.com/978-3-642-37095-3

Hardcover

2014. XXI, 200 p. 169 illus., 91 illus. in color. (Radiology Illustrated)

ISBN 978-3-642-37095-3

Due: November 29, 2013

B.I. Choi, Seoul National University Hospital, Seoul, Korea(Rep.) (Ed.)

Radiology Illustrated: Hepatobiliary and Pancreatic Radiology

Radiology Illustrated: Hepatobiliary and Pancreatic Radiology is the first of two volumes that will serve as a clear, practical guide to the diagnostic imaging of abdominal diseases. This volume, devoted to diseases of the liver, biliary tree, gallbladder, pancreas, and spleen, covers congenital disorders, vascular diseases, benign and malignant tumors, and infectious conditions. Liver transplantation, evaluation of the therapeutic response of hepatocellular carcinoma, trauma, and post-treatment complications are also addressed. The book presents approximately 560 cases with more than 2100 carefully selected and categorized illustrations, along with key text messages and tables, that [...]

Features

Radiology Illustrated: Hepatobiliary and Pancreatic Radiology is the first of two volumes that will serve as a clear, practical guide to the diagnostic imaging of abdominal diseases. This volume, devoted to diseases of the liver, biliary tree, gallbladder, pancreas, and spleen, covers congenital disorders, vascular diseases, benign and malignant tumors, and infectious conditions. Liver [...]

Contents

Part 1. Liver.- Anomalies and Anatomic Variants of the Liver.- Diffuse Liver Disease.- Benign Tumors of the Liver.- Hepatocellular Carcinoma.- Other Malignant Tumors of the Liver.- Focal Hepatic Infections.- Hemodynamic and Perfusion Related Disorders.- Liver Transplantation.- Therapeutic Response Evaluation of HCC.- Trauma and Post-treatment Complications of the Liver.- Part 2. Biliary tract.- Anomalies and Anatomic Variants of the Biliary tract.- Cholangitis.- Cholecystitis.- Cholangiocarcinoma.- Tumors of the Gallbladder.- Trauma and Post-treatment Complications of the Biliary [...]

Fields of interest

Imaging / Radiology; Internal Medicine; Diagnostic Radiology

Target groups

Professional/practitioner

Type of publication

Atlas

More on www.springer.com/978-3-642-35824-1

Hardcover

2014. XIII, 380 p. 557 illus., 182 illus. in color. (Radiology Illustrated)

ISBN 978-3-642-35824-1

Due: January 31, 2014

C. Nanni, Ospedale S. Orsola-Malpighi, Bologna, Italy; S. Fanti, Policlinico S. Orsola Malpighi, Bologna, Italy; L. Zanoni, Azienda Ospedaliero-Universitaria, Bologna, Italy

Radiology for PET/CT Reporting

Reading PET/CT scans is sometimes challenging. Not infrequently, abnormal findings on CT images are functionally silent and therefore difficult for nuclear medicine practitioners to interpret. Furthermore, in general only a low-dose CT scan is produced as part of the combined PET/CT study, and the resulting CT images may prove suboptimal for image interpretation. This atlas is designed to enable nuclear medicine practitioners who routinely read PET/CT scans to recognize the most common CT abnormalities. Slice-by-slice descriptions are provided of anatomical structures as visualized on CT scans obtained in PET/CT studies. The CT findings that may be detected while reviewing PET/CT [...]

Features

Reading PET/CT scans is sometimes challenging. Not infrequently, abnormal findings on CT images are functionally silent and therefore difficult for nuclear medicine practitioners to interpret. Furthermore, in general only a low-dose CT scan is produced as part of the combined PET/CT study, and the resulting CT images may prove suboptimal for image interpretation. This atlas is designed to enable nuclear [...]

Contents

Normal CT slice by slice: Brain.- Head and neck.- Thorax.- Abdomen.- Pelvis.- Para-physiological CT findings: Brain.- Head and neck.- Thorax.- Abdomen.- Pelvis.- Pathologic CT findings: Brain.- Head and neck.- Thorax.- Abdomen.- Pelvis.- MR for nuclear medicine: Brain.- Bone.- Pelvis.

Fields of interest

Nuclear Medicine; Imaging / Radiology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-40293-7

Softcover

2014. XIV, 120 p. 315 illus., 159 illus. in color.

ISBN 978-3-642-40293-7

Due: November 30, 2013

M. Dreyling, Universität München, München, Germany; M.E. Williams, Hospital West, Charlottesville, USA (Eds.)

Rare Lymphomas

After a decade of tremendous progress in the diagnostic and therapeutic approaches to malignant lymphoma, optimal treatment strategies are now based not only on accurate diagnosis but also on thorough evaluation of clinical and molecular risk factors. Even more importantly, molecular targeted approaches have been shown to be effective in the treatment of distinct lymphoma subtypes. Against this background, clinical management of especially the rare lymphomas remains a challenge for the general oncologist. This book provides a comprehensive overview of current treatment strategies in these rare lymphoma subtypes. Experts in the field from around the world describe histomorphology in a[...]

Features

The past decade has witnessed tremendous progress in the diagnostic and therapeutic approaches to malignant lymphoma as well as in understanding of the underlying molecular pathogenesis. Optimal treatment strategies are now based not only on accurate diagnosis but also on thorough evaluation of clinical and molecular risk factors. Even more importantly, molecular targeted approaches have been shown to be [...]

Contents

I General: Pathology.- Cytogenetics.- Molecular Genetics.- Signal Pathways.- II Disease-specific: T-NHL: Acute T-cell leukemia.- Anaplastic lymphoma.- Nasal/NK-cell lymphoma.- Cutaneous T-cell lymphoma.- B-NHL: Adult Burkitt.- Primary Mediastinal Lymphoma.- CNS Lymphoma.- HIV-Associated lymphoma.- Marginal Zone Lymphoma.- MALT.- MCL.- Waldenstroem.- PLL.- Lymphocyte Predominant Hodgkin.- Cutaneous B-cell lymphoma.

Fields of interest

Hematology; Oncology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-39589-5

Hardcover

2014. X, 400 p. 46 illus., 40 illus. in color. (Hematologic Malignancies)

ISBN 978-3-642-39589-5

Due: November 30, 2013

F.F. Faletta, Cardiocentro Ticino, Lugano, Switzerland; G. Peric, Tisch Hospital, New York, USA; N.G. Pandian, Tufts University School of Medicine, Boston, USA; H.-J. Nesser, I. Kronzon, Tisch Hospital, New York, USA

Real-Time 3D Interventional Echocardiography

Advances in technology and human skill have made possible percutaneous catheter-based procedures for a wide spectrum of structural heart disease. A growing number of structural heart diseases that over the past two decades would have required open heart surgery can be safely treated using percutaneous catheter-based procedures. Traditionally, guidance of catheter-based procedures is done using fluoroscopy and two-dimensional transesophageal echocardiography (2D TEE). The recent introduction in the clinical practice of RT 3D TEE has overcome most of limitations of 2D TEE. The purpose of this book is to describe the use of this imaging modality in percutaneous interventional procedures[...]

Features

This book describes the use of real-time three-dimensional transesophageal echocardiography (3D TEE) in percutaneous interventional procedures, underlining its growing role and acceptance among interventional cardiologists, while also considering technique-related weaknesses. One issue has always been to provide trainees with appropriate learning tools and this reference will provide important support for [...]

Contents

Technological Issues.- Closure of Patent Foramen Ovale and Atrial Septal Defect.- Catheter-Based Repair of Mitral Valve Insufficiency.- Percutaneous Balloon Mitral Commissurotomy.- Transcatheter Aortic Valve Implantation.- Percutaneous Closure of the Left Atrial Appendage.- Closure of Post-AMI Ventricular Septal Defect.- Percutaneous Closure of Paravalvular Leaks.- The Role of 3D TEE in Ablation Procedures.- Miscellaneous Procedures.

Fields of interest

Cardiology; Interventional Radiology; Cardiac Surgery

Target groups

Professional/practitioner

Type of publication

Atlas

More on www.springer.com/978-1-4471-4744-2

Hardcover

2014. XV, 205 p. 255 illus., 251 illus. in color. ISBN 978-1-4471-4744-2

Due: October 31, 2013

G. Landoni, San Raffaele Hospital, Milano, Italy; L. Ruggeri, San Raffaele Hospital, Milano, Italy; A. Zangrillo, San Raffaele Hospital, Milano, Italy (Eds.)

Reducing Mortality in the Perioperative Period

This book describes the techniques, strategies, and drugs that have been demonstrated by well-documented randomized trials to influence survival in the perioperative setting. It takes into consideration all types of adult surgery and will be relevant to the evaluation of any patient undergoing an operative procedure. Each chapter focuses on a specific procedure, device, or drug. The scope is accordingly wide, with coverage of topics as diverse as chlorhexidine oral rinse, clonidine therapy, insulin infusion, intra-aortic balloon pump support, leukodepletion, neuraxial anesthesia, and noninvasive respiratory support, to name but a few. In addition, the risks and benefits of using a[...]

Features

This book describes the techniques, strategies, and drugs that have been demonstrated by well-documented randomized trials to influence survival in the perioperative setting. It takes into consideration all types of adult surgery and will be relevant to the evaluation of any patient undergoing an operative procedure. Each chapter focuses on a specific procedure, device, or drug. The scope is accordingly [...]

Contents

Foreword.- Preface.- 1 The risks and benefits of the consensus process.- 2 The process of consensus building.- 3 Noninvasive Ventilation to reduce perioperative mortality.- 4 Role of inhalational anesthetic agents in reducing perioperative mortality.- 5 Can Neuraxial Anesthesia Reduce Perioperative Mortality.- 6 Role of perioperative hemodynamic optimization in reducing perioperative mortality.- 7 Levosimendan to reduce perioperative mortality.- 8 Could Clonidine Contribute to a Reduction in Perioperative Mortality.- 9 Perioperative β -blocker therapy to improve survival.- 10 [...]

Fields of interest

Surgery; Intensive / Critical Care Medicine; Anesthesiology; Cardiology; Pharmacology / Toxicology

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-3-319-02185-0

Hardcover

2014. VI, 177 p. 9 illus., 8 illus. in color.

ISBN 978-3-319-02185-0

Due: November 30, 2013

A. Kalet, New York University, New York, USA; C.L. Chou, University of California, San Francisco, San Francisco, USA (Eds.)

Remediation in Medical Education

A Mid-Course Correction

Remediation in medical education is the act of facilitating a correction for trainees who started out on the journey toward becoming excellent physicians but have moved off course. This book offers an evidence-based and practical approach to the identification and remediation of medical trainees who are unable to perform to standards. As assessment of clinical competence and professionalism has become more sophisticated and ubiquitous, medical educators increasingly face the challenge of implementing effective and respectful means to work with trainees who do not yet meet expectations of the profession and society. Remediation in Medical Education: A Mid-Course Correction describes [...]

Features

Remediation in medical education is the act of facilitating a correction for trainees who started out on the journey toward becoming excellent physicians but have moved off course. This book offers an evidence-based and practical approach to the identification and remediation of medical trainees who are unable to perform to standards. As assessment of clinical competence and professionalism has become more [...]

Contents

Defining and Assessing Competence.- An Example of a Remediation Program.- "She Needs to Read More": Helping trainees who struggle with medical knowledge.- Remediation of Interpersonal and Communication Skills.- Remediation of Physical Exam Skills.- Assessing and Remediating Clinical Reasoning.- Remediating Lapses in Professionalism.- "You said, I heard": Speaking the subtext in interracial conversations.- Learning Differences and Medical Education.- "Well, This Is Awkward": Autism Spectrum Disorder in Medical Trainees.- Stress and Distress and Wellness.- Perspectives from a Psychiatrist [...]

Fields of interest

Medicine (general); Medical Education; Theory of Medicine / Bioethics

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-9024-1

Hardcover

2014. XVI, 312 p. 37 illus., 16 illus. in color. ISBN 978-1-4614-9024-1

Due: November 30, 2013

A. Gullo, Azienda Ospedaliero-Universitaria, Catania, Italy; G. Ristagno, Istituto Mario Negri, Milano, Italy (Eds.)

Resuscitation

Translational Research, Clinical Evidence, Education, Guidelines

Resuscitation is a two-stage process comprising the achievement/maintenance of spontaneous circulation and post-resuscitation management. The approach is complex and multifaceted and entails the integration of new physiological insights, pharmacological options, and technological advances. The purpose of this volume, written by top experts in the field, is to promote, share, and disseminate new advances in resuscitation and post-resuscitation care. The issues addressed are wide ranging and of great topical interest or controversy. They include priorities of intervention, quality of resuscitation, use of mechanical supports, new defibrillation strategies, prevention of organ damage. [...]

Features

Resuscitation is a two-stage process comprising the achievement/maintenance of spontaneous circulation and post-resuscitation management. The approach is complex and multifaceted and entails the integration of new physiological insights, pharmacological options, and technological advances. The purpose of this volume, written by top experts in the field, is to promote, share, and disseminate new advances in [...]

Contents

Part I: State of the Art in Resuscitation.- Part II. Advances on Cardiopulmonary Resuscitation (CPR) and Defibrillation.- Part III. Optimization of Cardiopulmonary and Cerebral Resuscitation on Sudden Cardiac Death.- Part IV. Pharmacological Approach during CPR.- Part V. Post-Resuscitation Care.- Part VI. Combining Physiology, Clinical Outcome, and Ethics.

Fields of interest

Intensive / Critical Care Medicine; Emergency Medicine; Emergency Services; Cardiology; Anesthesiology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-88-470-5506-3

Hardcover

2014. V, 337 p. 29 illus., 12 illus. in color. ISBN 978-88-470-5506-3

Due: October 31, 2013

C. Gao, PLA General Hospital, Beijing, China (P.R.) (Ed.)

Robotic Cardiac Surgery

Robotic Cardiac Surgery is a comprehensive guide to robotic/totally endoscopic cardiac surgery. The book is intended to provide in-depth information regarding the history of robotic surgical systems, their components and principles. It emphasizes patient selection, perioperative management, anesthesia considerations and management, operative techniques and management, postoperative care and results. Extensive, detailed photographs and illustrations of different kinds of robotic surgery are also included. It provides cardiac surgeons, cardiac anesthesiologists, and perfusionists with a comprehensive review of current robotic cardiac surgeries and related knowledge. Changqing Gao, MD, is [...]

Features

Robotic Cardiac Surgery is a comprehensive guide to robotic/totally endoscopic cardiac surgery. The book is intended to provide in-depth information regarding the history of robotic surgical systems, their components and principles. It emphasizes patient selection, perioperative management, anesthesia considerations and management, operative techniques and management, postoperative care and results. [...]

Contents

Overview of Robotic Cardiac Surgery.- Anesthesia for Robotic Cardiac Surgery.- Intraoperative Transesophageal Echocardiography in Robotic Cardiac Surgery.- Peripheral Cardiopulmonary Bypass Establishment for Robotic Cardiac Surgery.- Robotic Surgery in Congenital Heart Diseases.- Totally Robotic Myxoma Excision.- Robotic Mitral Valve Surgery.- Robotic Coronary Bypass Graft on Beating Heart.- Hybrid Coronary Revascularization.- Robotic Left Ventricular Epicardial Lead Implantation.

Fields of interest

Cardiac Surgery; Minimally Invasive Surgery; Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-94-007-7659-3

Hardcover

2014. CLXX, 10 p. 315 illus., 286 illus. in color. ISBN 978-94-007-7659-3

Due: November 30, 2013

K.C. Kim, Florida Hospital Celebration Health, Celebration, USA (Ed.)

Robotics in General Surgery

Robotics in General Surgery provides a comprehensive review of the current applications of the robotic platform in all the general surgery subspecialties. Additionally, for each subspecialty it serves as a procedure-oriented instruction manual in terms of technical details of procedures, including fundamentals of robot positioning and trocar placement, step-by-step description of procedures, comprehensive discussions of advantages, limitations, indications, and relative contraindications of using the robotic approach. The text also discusses the challenges and steps to overcoming these challenges in transitioning from a minimally invasive to a robotic practice/surgeon. Lastly, this[...]

Features

Robotics in General Surgery provides a comprehensive review of the current applications of the robotic platform in all the general surgery subspecialties. Additionally, for each subspecialty it serves as a procedure-oriented instruction manual in terms of technical details of procedures, including fundamentals of robot positioning and trocar placement, step-by-step description of procedures, [...]

Contents

Section 1. Overview of the Robotic System.- 1. History of Robotic Surgery.- 2. Introduction to the Robotic System.- 3. Overview of General Advantages, Limitations and Strategies.- Section 2. Surgical Techniques: Esophagus.- 4. Robotic Assisted Minimally Invasive Esophagectomy.- 5. Robotic Assisted Operations for Gastroesophageal Reflux.- 6. Achalasia.- Section 3. Surgical Techniques: Thoracic.- 7. Robotic Lobectomy Complete Port-Access Robotic Assisted Lobectomy Utilizing 3 – Arm Technique without a Trans-Thoracic Utility Incision.- 8. Robotic Pulmonary Resection Using a Completely[...]

Fields of interest

General Surgery; Colorectal Surgery; Minimally Invasive Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8738-8

Hardcover

2014. XV, 719 p. 410 illus., 402 illus. in color. ISBN 978-1-4614-8738-8

Due: December 28, 2013

W. Tom, Rady Children's Hospital, San Diego, USA (Ed.)

Severe Skin Diseases in Children

Beyond Topical Therapy

A textbook to guide practitioners on treating severe skin diseases in children, when they have failed topical therapy-- will discuss the appropriate candidates, considerations and approaches in drug therapy, possible problems that may arise. Photographs will help to illustrate the cases/conditions.

Features

Children are no less spared from severe skin diseases. This textbook is designed as a practical clinical reference that will guide practitioners in treating difficult dermatoses in children in whom topical therapy has been unsuccessful. Individual sections are devoted to inflammatory diseases, immune-mediated/autoimmune diseases, tumors and proliferative disorders, and genodermatoses. Each chapter addresses [...]

Contents

Inflammatory Diseases:- Immune-Mediated/Autoimmune Diseases.- Photosensitive Disorders.- Tumors.- Genodermatoses.- Appendix.

Fields of interest

Dermatology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-642-39531-4

Hardcover

2014. XV, 262 p. 54 illus., 50 illus. in color. ISBN 978-3-642-39531-4

Due: November 30, 2013

G. Milano, Catholic University of Rome, Rome, Italy (Ed.)

Shoulder Arthroscopy

Principals and Practice

Shoulder Arthroscopy – Principles and Practice is a comprehensive and fully up-to-date work covering all major shoulder problems and related arthroscopic treatments. Two sections on basic science and principles of shoulder arthroscopy will provide essential information to build primary knowledge on shoulder arthroscopy issues. Shoulder problems and related treatments will be described according to a learning pathway, which will allow the readers to improve their knowledge and skills in shoulder arthroscopy from simple, standardized techniques to more complex and advanced procedures. All chapters will be written by expert arthroscopic surgeons who will provide decision-making[...]

Features

This comprehensive and stunningly illustrated textbook covers the entire spectrum of shoulder disease and arthroscopic techniques. It reviews the anatomy and the biomechanics of the shoulder, basic arthroscopic procedures, advanced reconstructive surgeries, and an overview on shoulder pathologies with a special focus on surgical approach. Shoulder Arthroscopy: Principles and Practice is a [...]

Contents

Anatomy of the Shoulder.- Biomechanics of the Shoulder.- Shoulder Examination.- Imaging of the Shoulder.- Biology of Injury and Repair of Soft Tissues of the Shoulder.- Principles of Shoulder Rehabilitation.- Instrumentation in Shoulder Arthroscopy.- Operating Room Set-up and Patient Positioning.- Anaesthesia in Shoulder Arthroscopy.- Portal Placement and Related Anatomy.- Diagnostic Shoulder Arthroscopy.- Anchors and Sutures.- Arthroscopic Suture Management.- Arthroscopic Knot Tying.- Acute Traumatic Anterior Shoulder Instability.- Recurrent Anterior Shoulder Instability.- Posterior[...]

Fields of interest

Surgical Orthopedics; Sports Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5426-6

Hardcover

2014. XVI, 560 p. 423 illus., 331 illus. in color. With online files/update. ISBN 978-1-4471-5426-6

Due: November 30, 2013

J. Rovensky, National Institute of Rheumatic Diseases, Piešťany, Slovakia; M. Herold, Innsbruck Medical University, Innsbruck, Austria; M. Vasakova, Pneumological Clinic, Prague 4, Czech Republic (Eds.)

Sine Syndromes in Rheumatology

Sine syndromes (SSs) represent atypical forms of inflammatory rheumatic diseases, the courses of which are often severe. While the diagnosis of rheumatic diseases can be determined according to an established set of diagnostic criteria based on clinical characteristics and laboratory parameters, Sine Syndromes do not fulfill the standard criteria used to assist in the classification of patients with rheumatological disorders. This concise book gives an overview of atypical courses in common inflammatory rheumatic diseases such as Wegener's granulomatosis, systemic sclerosis, Sjögren's syndrome, or systemic lupus erythematosus. Each chapter reviews similar cases reported in the[...]

Features

Sine syndromes (SSs) represent atypical forms of inflammatory rheumatic diseases, the courses of which are often severe. While the diagnosis of rheumatic diseases can be determined according to an established set of diagnostic criteria based on clinical characteristics and laboratory parameters, Sine Syndromes do not fulfill the standard criteria used to assist in the classification of patients with [...]

Contents

Sine Syndromes in the Clinical Presentation of Dermatomyositis.- Atypical Forms of Wegener's Granulomatosis.- Sine Syndromes in Systemic Sclerosis.- Atypical Course of Rheumatoid Arthritis.- Sine Syndrome in Systemic Lupus Erythematosus (Clinical and Laboratory).- Seronegative Antiphospholipid Syndrome.- Absence of Arthritis as a Sign of Sine Syndrome in Adult Still's Disease.- From Sine Syndrome to Sjögren's Syndrome.- Clinical Presentation of Sine Syndrome in Psoriatic Arthritis.- Sine Syndromes in Systemic Scleroderma.- Sine Syndromes in Dermatomyositis, Polymyositis.- Sine[...]

Fields of interest

Rheumatology; Internal Medicine; Pediatrics; Orthopedics; Laboratory Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-7091-1540-4

Hardcover

2014. XIII, 120 p. 17 illus., 3 illus. in color.
ISBN 978-3-7091-1540-4

Due: November 29, 2013

W.L. Law, Queen Mary Hospital, Hong Kong, China (P.R.); C.P. Delaney, University Hospitals Case Medical Center, Cleveland, USA (Eds.)

Single Incision Laparoscopic and Transanal Colorectal Surgery

Single Incision Laparoscopic and Transanal Colorectal Surgery provide a comprehensive and state-of-the-art review of single incision laparoscopic and transanal colorectal surgery. The text concentrates on surgical techniques and tricks in single incision laparoscopic and transanal surgery with detailed descriptions of the techniques, as well as indications and limitations of the procedures. The newly available evidence on these procedures is emphasized and all procedures are richly illustrated with diagrams and photos. Written by experts in their fields, Single Incision Laparoscopic and Transanal Colorectal Surgery is valuable resource for general surgeons, colon and rectal surgeons,[...]

Features

Single Incision Laparoscopic and Transanal Colorectal Surgery provide a comprehensive and state-of-the-art review of single incision laparoscopic and transanal colorectal surgery. The text concentrates on surgical techniques and tricks in single incision laparoscopic and transanal surgery with detailed descriptions of the techniques, as well as indications and limitations of the procedures. The newly [...]

Contents

Platforms and Instruments (principles of single incision laparoscopic colorectal surgery, available platforms and instruments).- Single Incision Laparoscopic Right Colectomy.- Single Incision Laparoscopic Left Colectomy.- SILS Total Colectomy and Proctocolectomy with Ileal Pouch-Anal Anastomosis (IPAA).- Low Anterior Resection and Total Mesorectal Excision.- Tricks and Routes to Success.- Robotic Single Port Colorectal Surgery.- Current Evidence for Single Incision Laparoscopic Colectomy.- Local Excision for Low Rectal Cancer: From Mucosectomy to Endolumen Loco-Regional Resection: Tips[...]

Fields of interest

General Surgery; Colorectal Surgery; Minimally Invasive Surgery; Gastroenterology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8901-6

Hardcover

2014. X, 110 p. 67 illus., 62 illus. in color.
ISBN 978-1-4614-8901-6

Due: November 30, 2013

M.T. Bianchi, Massachusetts General Hospital, Boston, USA (Ed.)

Sleep Deprivation and Disease

Effects on the Body, Brain and Behavior

The cognitive and behavioral implications of sleep deprivation have been noted in the medical literature for many years. In addition, emerging research continues to demonstrate the contribution of sleep deprivation to some of the most common and costly health conditions today. Sleep Deprivation and Disease provides clinically relevant scientific information to help clinicians, public health professionals, and researchers recognize the ramifications of sleep deprivation across a broad spectrum of health topics. This timely reference covers sleep physiology, experimental approaches to sleep deprivation and measurement of its consequences, as well as health and operational consequences[...]

Features

The cognitive and behavioral implications of sleep deprivation have been noted in the medical literature for many years. In addition, emerging research continues to demonstrate the contribution of sleep deprivation to some of the most common and costly health conditions today. Sleep Deprivation and Disease provides clinically relevant scientific information to help clinicians, public health [...]

Fields of interest

Primary Care Medicine; Psychiatry; Neurology; Occupational Medicine / Industrial Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-9086-9

Hardcover

2014. XV, 547 p. 41 illus., 27 illus. in color.
ISBN 978-1-4614-9086-9

Due: November 30, 2013

A. Zini, McGill University, Montreal, Canada; A. Agarwal, Cleveland Clinic, Cleveland, USA (Eds.)

Sperm Chromatin for the Researcher

A Practical Guide

This concise, truncated version of Zini and Agarwal's Sperm Chromatin: Biological and Clinical Applications in Male Infertility and Assisted Reproduction offers select, research-oriented chapters for a handy, more affordable, state-of-the-art resource. Sperm Chromatin for the Researcher addresses such vital issues as: - Structure and function of human sperm chromatin - Biological determinants of sperm chromatin damage - Laboratory evaluation of sperm chromatin - Protocols to measure sperm chromatin damage Ideal for novice and experienced researchers alike, Sperm Chromatin for the Researcher contains all of the need-to-know information about these cutting-edge topics in reproductive medicine.

Features

This concise, truncated version of Zini and Agarwal's Sperm Chromatin: Biological and Clinical Applications in Male Infertility and Assisted Reproduction offers select, research-oriented chapters for a handy, more affordable, state-of-the-art resource. Sperm Chromatin for the Researcher addresses such vital issues as: - Structure and function of human sperm chromatin - Biological [...]

Contents

Part I: Human Sperm Chromatin: Structure and Function.- Sperm Chromatin: An Overview.- Sperm Nucleoproteins.- The Relationship Between Chromatin Structure and DNA Damage in Mammalian Spermatozoa.- Chromosome Positioning in Spermatozoa.- Sperm Mitochondrial DNA.- The Sperm Epigenome.- RNA Expression in Male Germ Cells During Spermatogenesis (Male Germ Cell Transcriptome).- Part II: Biological Determinants of Sperm Chromatin Damage.- Spermatogenesis: An Overview.- Role of Oxidative Stress in the Etiology of Sperm DNA Damage.- Abortive Apoptosis and Sperm Chromatin Damage.- Spermiogenesis[...]

Fields of interest

Reproductive Medicine; Urology / Andrology; Internal Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8458-5

Softcover

Contains selected chapters from Sperm Chromatin 2013. XIV, 438 p. 69 illus., 40 illus. in color. ISBN 978-1-4614-8458-5

usually dispatched within 3 to 5 business days

L. Micheli, Childrens Hospital Boston, Boston, USA; C. Stein, Boston Childrens Hospital, Boston, USA; M. O'Brien, Childrens Hospital Boston, Boston, USA; P. d'Hemecourt, Childrens Hospital Boston, Boston, USA (Eds.)

Spinal Injuries and Conditions in Young Athletes

Spinal Injuries and Conditions in Young Athletes provides a comprehensive, in-depth review of the mechanisms and management of back injuries and problems occurring in this ever-growing and active population. Led by Dr. Lyle Micheli and his co-editors, an award-winning group of orthopedists discusses and explores common adolescent spine injuries and procedures, in addition to breakthroughs in gene therapy, tissue engineering, and complex operations. As spine surgery is among the most complex and challenging procedures performed in orthopedics, special considerations and procedures are required in pediatric populations. Since many corrective surgeries run the risk of arthritis later in [...]

Features

Spinal Injuries and Conditions in Young Athletes provides a comprehensive, in-depth review of the mechanisms and management of back injuries and problems occurring in this ever-growing and active population. Led by Dr. Lyle Micheli and his co-editors, an award-winning group of orthopedists discusses and explores common adolescent spine injuries and procedures, in addition to breakthroughs in gene [...]

Contents

Anatomy and Development of the Young Spine.- The Young Athlete's Spinal Mechanics.- Acute Thoracic and Lumbar Injuries.- Acute Cervical Spine Injuries.- Concussion in Youth Sports.- Adolescent Overuse Spine Injuries.- Throwing Sports and Injuries Involving the Young Athlete's Spine.- Spinal Injuries in Collision/Heavy Contact Sports.- Spine Injuries in the Aesthetic Athlete.- Swimming and the Spine.- Spinal Injuries in Combat Sports.- Principles of Rehabilitation in the Young Athlete.- Congenital Spine Malformations and Sports Implications.- The Young Athlete with Down Syndrome.- Spinal[...]

Fields of interest

Sports Medicine; Pediatrics; Orthopedics

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-4752-8

Hardcover

2014. I, 364 p. 184 illus., 39 illus. in color. (Contemporary Pediatric and Adolescent Sports Medicine) ISBN 978-1-4614-4752-8

Due: December 31, 2013

D. Conrad, NHS Knowsley, Knowsley, United Kingdom; A. White, Leeds Metropolitan University, Leeds, United Kingdom (Eds.)

Sports-Based Health Interventions

Case Studies from Around the World

This book captures a broad sample of work from around the world, providing those commissioning and delivering health interventions with both inspiration and practical guidance for setting up sports-based public health projects in their own areas. Using a case study approach, the book has an emphasis on the practical realities of delivering public health work balanced with an overview of current theory, evidence and policy. Sport is increasingly featured in the delivery of public health interventions across the globe, from small scale grassroots projects in local communities to health partnerships with major sporting events on the international stage. The role of sport in public[...]

Features

This book captures a broad sample of work from around the world, providing those commissioning and delivering health interventions with both inspiration and practical guidance for setting up sports-based public health projects in their own areas. Using a case study approach, the book has an emphasis on the practical realities of delivering public health work balanced with an overview of current theory, [...]

Contents

Introduction: The Role of Sport in Public Health.- Part I: Sport and Disaster Response.- Post-Earthquake, Iran.- Civil War, Ivory Coast.- Part II: Peace and Social Capital Building through Sport.- Open Fun Football Schools, Balkans.- Right to Play, International.- Dads and Lads, UK.- Fight for Peace, Brazil.- Part III: Sport and Immunisation.- Olympic Sport and Immunisation Festival, Ghana.- Kick Polio Out of Africa.- Part IV: Sport and Screening.- "Sex and Sport" Chlamydia Screening, Australia.- "Kick N Test" HIV and TB Screening Football Tournament, Kenya.- Part V: Health Promotion in[...]

Fields of interest

Public Health; Social Work

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-5995-8

Hardcover

2013. Approx. 200 p. 25 illus. ISBN 978-1-4614-5995-8

Due: October 23, 2013

A. Davies, A. Scott, Papworth Hospital NHS Foundation Trust, Cambridge, United Kingdom

Starting to Read ECGs

The Basics

This book aims to provide the beginner with a concise, practical and systematic guide to interpreting ECGs. It will serve not only as a starter text but also as an immediate bedside reference manual. Starting to Read ECGs: The Basics begins with fundamentals such as how to perform, record and interpret a normal ECG before progressing onto more complex topics, including what effects anatomical abnormalities of the heart, cardiac and non-cardiac conditions can have on the ECG. Each chapter has been supplemented with a multitude of images and diagrams to illustrate points and ease understanding, and concludes with both a summary of key points to reinforce knowledge and a quiz for[...]

Features

This book aims to provide the beginner with a concise, practical and systematic guide to interpreting ECGs. It will serve not only as a starter text but also as an immediate bedside reference manual. Starting to Read ECGs: The Basics begins with fundamentals such as how to perform, record and interpret a normal ECG before progressing onto more complex topics, including what effects anatomical [..]

Contents

Chapter 1: How to record a 12-lead ECG.- Physiology.- What is an ECG.- Patient positioning.- Electrode placement.- Attaching the cables.- The machine.- What to write on the ECG.- Summary of key points.- Quiz.- Chapter 2: ECG basics.- How does the 12-lead ECG work?.- ECG paper.- Details found on a standard 12-lead ECG.- 12-lead ECG leads.- The PQRST waveform.- Deflection.- Summary of key points.- Quiz.- Chapter 3: Quality issues pertaining to ECG recording.- Background.- Leads.- Calibration markers.- ECG Documentation.- Summary of key points.- Quiz.- Chapter 4: Principles of ECG[...]

Fields of interest

Cardiology; Medicine (general); Intensive / Critical Care Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4471-4961-3

Softcover

2014. XVII, 240 p. 190 illus., 185 illus. in color. With online files/update.
ISBN 978-1-4471-4961-3

Due: November 30, 2013

M. Alam, Department of Dermatology, Chicago, USA (Ed.)

Step-by-Step Cosmetic Dermatology

Step-by-step, full-color illustrations show each of the many minor steps required to complete common procedures in cosmetic dermatology, and show levels of detail and highlight subtleties of technique not visible in typical before-and-after photos. Includes chapters on the most frequently performed techniques - the bread and butter of cosmetic dermatologists' practice - such as botulinum toxin, injectable fillers, lasers, chemical peels, liposuction, sclerotherapy, blepharoplasty, and more. Cosmetic dermatologists and trainees are ever on the lookout for ways to expand their repertoire of skills and services, and this atlas is an excellent resource for self-teaching and mastering new[...]

Features

Step-by-step, full-color illustrations show each of the many minor steps required to complete common procedures in cosmetic dermatology, and show levels of detail and highlight subtleties of technique not visible in typical before-and-after photos. Includes chapters on the most frequently performed techniques - the bread and butter of cosmetic dermatologists' practice - such as botulinum toxin, injectable [..]

Contents

1. The Cosmetic Consultation and Patient Selection.- 2. Obtaining Consent and Preoperative Management.- 3. Botulinum Toxin.- 4. Injectable Fillers.- 5. Vascular, Pigment, Hair Removal, Tightening, and Nonablative Lasers and Devices.- 6. Fractional and Resurfacing Lasers and Devices.- 7. Chemical Peels.- 8. Sclerotherapy, Ambulatory Phlebectomy, and Endovenous Ablation.- 9. Liposuction and Body Contouring.- 10. Blepharoplasty and Facelift.

Fields of interest

Dermatology; Medicine (general); Ophthalmology; Otorhinolaryngology; General Practice / Family Medicine

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8331-1

Hardcover

2014. 400 p. 500 illus. in color.
ISBN 978-1-4614-8331-1

Due: June 29, 2014

C.M. Scoffone, Cottolengo Hospital, Torino, Italy; A. Hoznek, CHU Henri Mondor, Créteil cedex, France; C.M. Cracco (Eds.)

Supine Percutaneous Nephrolithotomy and ECIRS

The New Way of Interpreting PNL

PNL is the gold standard for the management of large and/or otherwise complex renal stones. Since its introduction in the seventies PNL has undergone considerable evolution, mainly driven by the improvement in access techniques, endoscopic instrument technology, lithotripsy devices and drainage management. The conventional prone position for PNL has been challenged in the last two decades by a variety of modifications, including the supine and Galdakao-modified supine Valdivia positions, which make simultaneous retrograde working access to the collecting system possible and have proven anesthesiological advantages. The Galdakao-modified supine Valdivia position allowed the development[...]

Features

PNL is the gold standard for the management of large and/or otherwise complex renal stones. Since its introduction in the seventies PNL has undergone considerable evolution, mainly driven by the improvement in access techniques, endoscopic instrument technology, lithotripsy devices and drainage management. The conventional prone position for PNL has been challenged in the last two decades by a variety of [..]

Contents

Introduction.- History of PNL.- Prone PNL: Review and results.- PNL Indications and guidelines.- Anatomy for PNL.- Radiology for stone disease.- Anesthesiological considerations (especially position related issues) before, during, after.- Supine PNL.- Endoscopic Combined Intrarenal surgery.- Technical aspects of percutaneous management of ureteral stenoses and upper urinary tract transitional cell carcinoma.- Complications: how to manage them?.- PNL in pediatric patient.- Results: published series.- Conclusions.

Fields of interest

Urology / Andrology; Nephrology; Imaging / Radiology; Anesthesiology; Nursing

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-2-8178-0359-3

Hardcover

2014. XX, 246 p. 186 illus., 167 illus. in color.
ISBN 978-2-8178-0359-3

Due: November 30, 2013

L.J. Skandalakis, Emory University School of Medicine, Atlanta, USA; J.E. Skandalakis, Emory University School of Medicine, Atlanta, USA (Eds.)

Surgical Anatomy and Technique

A Pocket Manual

Generations of residents and general surgeons have relied upon and worn out their copies of *Surgical Anatomy and Technique: A Pocket Manual*. Thoroughly revised and with dozens of new illustrations, the fourth edition continues the tradition of providing a concise, accessible, and generously illustrated memory refresher for both novice and experienced clinicians. The editors have included techniques to keep the content fresh, relevant, and practice-based. Among the new topics are hand surgery, a section on central venous access, and creating an AV fistula for dialysis. All the existing chapters have been updated and expanded to reflect current surgical approaches and [...]

Features

Generations of residents and general surgeons have relied upon and worn out their copies of *Surgical Anatomy and Technique: A Pocket Manual*. Thoroughly revised and with dozens of new illustrations, the fourth edition continues the tradition of providing a concise, accessible, and generously illustrated memory refresher for both novice and experienced clinicians. The editors have [...]

Contents

Skin, Scalp, and Nail.- Neck.- Breast.- Abdominal Wall and Hernias.- Diaphragm.- Esophagus.- Stomach.- Duodenum.- Pancreas.- Small Intestine.- Appendix.- Colon and Anorectum.- Liver.- Extrahepatic Biliary Tract.- Spleen.- Adrenal Glands.- Vascular System.- Uterus, Tubes, and Ovaries.- Carpal Tunnel.- Microsurgical Procedures.- Miscellaneous Procedures.- Bariatric Surgery.

Fields of interest

General Surgery

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-1-4614-8562-9

Softcover

2014. VIII, 630 p. 745 illus.
ISBN 978-1-4614-8562-9

Due: October 31, 2013

J.R. Samples, Rocky Vista University, Littleton, USA; I.I.K. Ahmed, University of Toronto, Toronto, Canada (Eds.)

Surgical Innovations in Glaucoma

There is a revolution in new glaucoma surgical techniques. New glaucoma surgical devices are taking precedence in glaucoma surgery, with the new surgeries drastically cutting down on the chances for patient infection as well as higher success rates compared to the older types of surgery. *Surgical Innovations in Glaucoma* is the only book of its kind written by the top experts in the field, from inventors, clinical trial investigators, and top specialists experienced with the new devices. Written for general ophthalmologists who perform glaucoma surgery, the text walks the reader through the what, where, when, and how of the new glaucoma surgical tools, and includes supplementary online [...]

Features

There is a revolution in new glaucoma surgical techniques. New glaucoma surgical devices are taking precedence in glaucoma surgery, with the new surgeries drastically cutting down on the chances for patient infection as well as higher success rates compared to the older types of surgery. *Surgical Innovations in Glaucoma* is the only book of its kind written by the top experts in the field, [...]

Contents

Part I. Considerations in Device Development.- 1. Schlemm's Canal And Collector Channels As Therapeutic Targets.- 2. Intraoperative Assessment of the Conventional Collector Outflow System As Therapeutic Target.- 3. Suprachoroidal Space As A Therapeutic Target.- 4. Ciliary Body as a Therapeutic Target.- 5. Clinical Trials for IOP lowering Devices to Support a FDA Premarket Submission.- 6. Considerations in Patenting New Surgical Devices for Glaucoma: The Changing Patent Law Landscape.- Part II. Laser Technologies.- 7. New Laser Technologies.- 8. Excimer Laser Trabeculostomy (ELT) - an [...]

Fields of interest

Ophthalmology; Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8347-2

Hardcover

2014. XIX, 320 p. 227 illus., 189 illus. in color. With online files/update.
ISBN 978-1-4614-8347-2

Due: December 28, 2013

P.M. Fisichella, Loyola University Medical Center, Maywood, USA; N.J. Soper, Northwestern University, Chicago, USA; C.A. Pellegrini, University of Washington Medical Center, Seattle, USA; M.G. Patti, University of Chicago Pritzker School of Medicine, Chicago, USA (Eds.)

Surgical Management of Benign Esophageal Disorders

The "Chicago Approach"

Surgical Management of Benign Esophageal Disorders: The "Chicago Approach" covers all stages of the diagnosis and treatment of the most common benign esophageal disorders in a concise and easy-to-read format. Indications, patient preparation, operative techniques, and strategies for avoiding and managing complications are included and based both on evidence-based data and the experience of the most famous esophageal surgeons in the United States and abroad. Each chapter includes a summary of the current management strategy for the disease process, and a review of current state of the art techniques provided by world leaders on esophageal disease, surgeons and gastroenterologists [...]

Features

Surgical Management of Benign Esophageal Disorders: The "Chicago Approach" brings together all stages of the diagnosis and treatment of the most common benign esophageal disorders. Based on both evidence-based data and experience, this book focuses on the specific topics and issues of these disorders, whilst analyzing the key elements for the successful management of the patients. Emerging [...]

Contents

1. Esophageal anatomy for physiology for the surgeon.- 2. Pathophysiology of Gastroesophageal Reflux Disease (GERD).- 3. The Chicago Classification system of esophageal motility disorders.- 4. Gastroesophageal Reflux Disease: Preoperative evaluation.- 5. Surgery for esophageal disorders: the anesthesiologist view.- 6. Treatment of epiphrenic diverticula.- 7. Head and Neck Manifestations of Gastroesophageal Reflux Disease.- 8. Minimally invasive treatment of GERD.- 9. Minimally invasive treatment of GERD: special situations.- 10. Endoscopic treatment of GERD.- 11. Endoscopic Management of [...]

Fields of interest

Surgery; Gastroenterology; Minimally Invasive Surgery; Thoracic Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5483-9

Hardcover

2014. X, 256 p. 59 illus., 24 illus. in color.
ISBN 978-1-4471-5483-9

Due: October 31, 2013

E. Barret, M. Durand (Eds.)

Technical Aspects of Focal Therapy in Localized Prostate Cancer

Focal therapy is a compelling option for selected patients who have unilateral low-risk prostate cancer, providing an alternative between active surveillance and radical therapies by targeting the index lesion and preserving as much tissue as possible. Early feasibility studies have investigated cryotherapy, high-intensity focused ultrasound, brachytherapy, photodynamic therapy, laser therapy, irreversible electroporation and cyberknife methods, all of which have promising oncological outcomes. These various ablative techniques have resulted in limited rectal toxicity, had minor effects on urinary function and demonstrated a high rate of preserving erectile function. As a result, the[...]

Features

Focal therapy is a compelling option for selected patients who have unilateral low-risk prostate cancer, providing an alternative between active surveillance and radical therapies by targeting the index lesion and preserving as much tissue as possible. Early feasibility studies have investigated cryotherapy, high-intensity focused ultrasound, brachytherapy, photodynamic therapy, laser therapy, irreversible [...]]

Contents

Rational for Focal Therapy.- Concept of Index lesion.- Definition and Principles of Focal Therapy.- Eligibility for Focal Therapy; Patient Selection.- Imaging for Focal Therapy.- Biopsies strategy.- Focal Cryotherapy.- Focal HIFU.- Focal Brachytherapy.- Focal PhotoDynamic Therapy.- Focal Laser Thermal Therapy.- Cyberknife Focal Therapy.- New Energies.- Follow-up after Focal Therapy.- Failure or Recurrence Management.- Focal Therapy Limitations.- Perspective.- Conclusion.

Fields of interest

Oncology; Urology / Andrology; Imaging / Radiology; Ultrasound; Interventional Radiology; Surgical Oncology

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-2-8178-0483-5

Hardcover

2014. Approx. 300 p. 25 illus., 20 illus. in color.
ISBN 978-2-8178-0483-5

Due: December 11, 2013

L.B. Smith, R.T. Mitchell, Queens Medical Research Institute, Edinburgh, United Kingdom; I.J. McEwan, PhD

Testosterone: From Basic Research to Clinical Applications

This volume provides a brief résumé of the history of testosterone research, from the early pioneers through to the most recent advances in the field. We discover how steroid hormones were first identified and how testosterone was shown to be essential for male development. Moving forward we explore how and where testosterone is produced, and how the body controls testosterone production. We then investigate the impact testosterone has on different body systems both during their development and function, and how perturbation of testosterone action is associated with disease. We complete our story with an exploration of the emerging roles of testosterone in clinical therapy, and the[...]

Features

This volume provides a brief résumé of the history of testosterone research, from the early pioneers through to the most recent advances in the field. We discover how steroid hormones were first identified and how testosterone was shown to be essential for male development. Moving forward we explore how and where testosterone is produced, and how the body controls testosterone production. We then investigate [...]]

Contents

Chapter 1. History of Masculinization.- Chapter 2. Recent Understanding of Masculinization.- Chapter 3. Where Does Testosterone Come From and how does it act?.- Chapter 4. Androgen Receptor Signalling in Testes.- Chapter 5. Androgen Signalling in Other Body Systems.- Chapter 6. Manipulating Androgens for Therapy.- Chapter 7. Future perspectives.

Fields of interest

Reproductive Medicine; Endocrinology; Cell Biology

Target groups

Research

Type of publication

Brief

More on www.springer.com/978-1-4614-8977-1

Softcover

2013. XI, 73 p. 12 illus., 10 illus. in color. (SpringerBriefs in Reproductive Biology)
ISBN 978-1-4614-8977-1

Due: October 31, 2013

A. Alikhan, Mayo Clinic, Rochester, USA; J.-M. Lachapelle, Catholic University of Louvain, Montigny-le-Tilleul, Belgium; H. Maibach, University of California, San Francisco, USA (Eds.)

Textbook of Hand Eczema

Hand eczema is a major complaint worldwide and a frequent occupational disorder. This book provides a comprehensive and detailed overview of the classification, etiology, diagnosis, prevention, and therapy of hand eczema. It is innovative, up to date, and practical. The links with particular occupations are explained, the various diagnostic tests are presented, and the role of different topical and systemic treatments is clearly described. The authors are world leaders in the field. The "Textbook of Hand Eczema" reflects a new era in hand dermatitis and will be invaluable for all who deal with the condition in their clinical practice.

Features

Hand eczema is a major complaint worldwide and a frequent occupational disorder. This book provides a comprehensive and detailed overview of the classification, etiology, diagnosis, prevention, and therapy of hand eczema. It is innovative, up to date, and practical. The links with particular occupations are explained, the various diagnostic tests are presented, and the role of different topical and systemic [...]]

Contents

From the Contents: AN INTRODUCTION TO HAND ECZEMA.- An Anatomoclinical Approach.- Biometric Characteristics.- Clinical Subtypes and Categorization.- Nail Alterations in Hand Eczema.- Other Dermatoses.- Irritant versus Allergic Contact Dermatitis: An Etiopathological Approach.- A Scope of the Problem: Epidemiology.- Risk Factors.- DETAILS OF SELECTED SUBTYPES OF HAND ECZEMA.- Chemical Skin Burns and Hand Eczema.- Mechanical Trauma and Hand Eczema.- Irritant Contact Dermatitis.- Atopic Hand Eczema.- Pompholyx.- Hyperkeratotic Eczema (Psoriasis) of the Palms.- SPECIAL OCCUPATIONS AT RISK[...]

Fields of interest

Dermatology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-39545-1

Hardcover

2014. XIV, 450 p. 113 illus., 105 illus. in color.
ISBN 978-3-642-39545-1

Due: January 31, 2014

D.E. Beck, Ochsner Clinic Foundation, New Orleans, USA; S.D. Wexner, Cleveland Clinic Florida, Weston, USA; T.L. Hull, The Cleveland Clinic Foundation, Cleveland, USA; P.L. Roberts, Lahey Clinic, Burlington, USA; T.J. Saclarides, Loyola University Medical Center, Maywood, USA; A.J. Senagore, Central Michigan University, Mount Pleasant, USA; M.J. Stamos, University of California, Irvine, Irvine, USA; S.R. Steele, University of Washington, Olympia, USA (Eds.)

The ASCRS Manual of Colon and Rectal Surgery

The ASCRS Manual of Colon and Rectal Surgery, Second Edition is designed to provide a rapid access pocket reference for residents, fellows, private clinicians, and allied health professionals caring for patients with colorectal surgical diseases. The Manual, abstracted from the ASCRS Textbook of Colon and Rectal Surgery, Second Edition, is intended to impart succinct, clinically relevant information for daily patient care. The chapters take an evidence-based approach and many provide ASCRS practice parameters. The contents are presented consistently, with concise overviews of the most clinically relevant topics. The disease chapters discuss etiology, anatomic considerations, patient[...]

Features

The ASCRS Manual of Colon and Rectal Surgery, Second Edition is designed to provide a rapid access pocket reference for residents, fellows, private clinicians, and allied health professionals caring for patients with colorectal surgical diseases. The Manual, abstracted from the ASCRS Textbook of Colon and Rectal Surgery, Second Edition, is intended to impart succinct, clinically relevant information [..]

Contents

Anatomy and Embryology of the Colon, Rectum, and Anus.- Colonic Physiology.- Anorectal Physiology.- Physiologic Testing.- Endoscopy.- Radiology.- Endoluminal Ultrasound.- Preoperative Management.- Postoperative Management.- Postoperative Complications.- Hemorrhoids.- Anal Fissure.- Anorectal Abscess and Fistula.- Benign Anovaginal and Rectovaginal Fistulas.- Pilonidal Disease and Hidradenitis Suppurativa.- Dermatology and Pruritus Ani.- Sexually Transmitted Diseases.- Fecal Incontinence.- Pelvic Floor Disorders.- Anal Cancer.- Presacral Tumors.- Diverticular Disease.- Colonic Volvulus.-[...]

Fields of interest

General Surgery; Colorectal Surgery; Minimally Invasive Surgery; Gastroenterology; Nursing

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8449-3

Softcover

2014. XII, 950 p. 293 illus., 205 illus. in color.
ISBN 978-1-4614-8449-3

Due: October 31, 2013

J.J. McComb, Texas Tech University, Lubbock, USA; R. Norman, Texas Tech University, Lubbock, USA; M. Zumwalt, Texas Tech University, Lubbock, USA (Eds.)

The Active Female

Health Issues Throughout the Lifespan

The purpose of the The Active Female: Health Issues Throughout the Lifespan, 2nd Edition is twofold: (1) to increase the awareness of wellness and fitness issues for active females and their family members; and (2) to provide an avenue for medical practitioners, allied health professionals, health educators, and certified individuals in sports medicine to gain critical, updated knowledge of a field specific to active females. Part I of the book offers a foundation to help the reader understand the interrelationship among body image concerns, the female reproductive cycle, and musculoskeletal anatomy/physiology of females that makes their health risks and concerns unique.[...]

Features

The purpose of the The Active Female: Health Issues Throughout the Lifespan, 2nd Edition is twofold: (1) to increase the awareness of wellness and fitness issues for active females and their family members; and (2) to provide an avenue for medical practitioners, allied health professionals, health educators, and certified individuals in sports medicine to gain critical, updated knowledge of a field [..]

Fields of interest

Orthopedics; Obstetrics / Perinatology; General Practice / Family Medicine; Internal Medicine; Endocrinology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8883-5

Hardcover

2014. XX, 550 p. 27 illus., 6 illus. in color.
ISBN 978-1-4614-8883-5

Due: November 30, 2013

R. Parekh, Massachusetts General Hospital, Boston, USA (Ed.)

The Massachusetts General Hospital Textbook on Diversity and Cultural Sensitivity in Mental Health

Long considered important for professionals working with minority and under-represented populations, cross-cultural competency has become a requisite for all health care providers. As society in the US increasingly diversifies, there is a crucial need to prepare health care professionals to effectively treat this changing population. The Massachusetts General Hospital Textbook on Diversity and Cultural Sensitivity in Mental Health addresses the importance and relevance of cultural sensitivity in US mental health. Prominent researchers and clinicians examine the cultural and cross-cultural mental health issues of Native American, Latino, Asian, African American, Middle Eastern, Refugee[...]

Features

Long considered important for professionals working with minority and under-represented populations, cross-cultural competency has become a requisite for all health care providers. As society in the US increasingly diversifies, there is a crucial need to prepare health care professionals to effectively treat this changing population. The Massachusetts General Hospital Textbook on Diversity and Cultural [..]

Contents

Mental Health of Arab Americans: Cultural Considerations for Excellence of Care.- Identification and Approach to Treatment of Mental Health Disorders in South Asian Populations.- Cultural sensitivity: what should we understand about Latinos?.- Not by Convention: Working with People on the Sexual & Gender Continuum.- Indian and Alaska Native Mental Health Perspectives.- Psychiatry for People of African Descent in the US.- Understanding the mental health of refugees: Trauma, stress and the cultural context.- Diversity Dialogue: An Innovative model for diversity training.- The Engagement[...]

Fields of interest

Psychiatry; Psychopharmacology; Psychotherapy

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8917-7

Hardcover

2014. XVI, 442 p. 4 illus. (Current Clinical Psychiatry)
ISBN 978-1-4614-8917-7

Due: November 30, 2013

M.-M. Gellrich

The Slit Lamp

Applications for Biomicroscopy and Videography

In this book the author describes in detail the history, construction, and examination potential of the slit lamp. In particular, however, he presents a new approach – videography – that allows the ophthalmologist to document all eye diseases with the slit lamp and a video camera in a practicable, rapid, and affordable manner. The necessary methods, techniques, and equipment, including converging, diverging, and contact lenses, are clearly explained in the text and four didactic videos. The 20 most important videographic settings are described, and “recipes” for their use are presented, along with diagnostic tips. The accompanying collection of clinical images represents the world’s [...]

Features

In this book the author describes in detail the history, construction, and examination potential of the slit lamp. In particular, however, he presents a new approach – videography – that allows the ophthalmologist to document all (!) eye diseases with the slit lamp and a video camera in a practicable, rapid, and affordable manner. The necessary methods, techniques, and equipment, including converging, [...]

Contents

Basics: Appliance Construction. Biomicroscopy: Types of Illumination.- Biomicroscopy without Additional Lenses.- Biomicroscopy with Additional Lenses.- Accessory Equipment for Slit Lamps. Videography with the Slit Lamp: Videography - the Basics.- Special Videography Applications.- Specific Videographic Settings for Specific Ocular Diseases. History of the Slit Lamp: History of Slit Lamp Construction.- Bibliography.

Fields of interest

Ophthalmology

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-3-642-39792-9

Hardcover

Originally published by Kaden Verlag, Heidelberg, 2011 2014. XVII, 212 p. 32 illus. in color. With DVD. ISBN 978-3-642-39792-9

Due: October 31, 2013

E.I. Eger II, University of California, San Francisco, San Francisco, USA; L. Saidman, Stanford University, Stanford, USA; R. Westhorpe, Geoffrey Kaye Museum of Anaesthetic Hist, Kew, Australia (Eds.)

The Wondrous Story of Anesthesia

Edited and written by an international “who’s who” of more than 100 authors, including anesthesiologists, nurse anesthetists, bench scientists, a surgeon, and representatives of industry, this text provides a comprehensive history of anesthesia, unique in its focus on the people and events that shaped the specialty around the world, particularly during the past 70 years when anesthesia emerged from empiricism and developed into a science-based practice.

Features

Edited and written by an international “who’s who” of more than 100 authors, including anesthesiologists, nurse anesthetists, bench scientists, a surgeon, and representatives of industry, this text provides a comprehensive history of anesthesia, unique in its focus on the people and events that shaped the specialty around the world, particularly during the past 70 years when anesthesia emerged from empiricism [...]

Contents

Part I. The Woven Story of Anesthesia: Eras, Exemplars, and Looking Forward.- 1. History to 1798.- 2. The Half Century Before Ether Day.- 3. 1844-1846: The Discovery and Demonstration of Anesthesia.- 4. 1846-1860: Following the Discovery of Anesthesia.- 5. 1860-1910: The Specialty of Anesthesia Develops Slowly.- 6. 1910-1950: Anesthesia Before, During, and After Two World Wars.- 7. History Reflected in the Evolving Approaches to Anesthesia for a Patient Undergoing Cholecystectomy.- 8. Major Anesthetic Themes in the 1950s.- 9. Major Anesthetic Themes in the 1960s.- 10. Major Anesthetic[...]

Fields of interest

Anesthesiology; Pain Medicine; Surgery; History of Medicine; Nursing

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-8440-0

Hardcover

2014. XVIII, 944 p. 346 illus., 121 illus. in color. ISBN 978-1-4614-8440-0

Due: November 28, 2013

F.S. Haddad, Princess Grace Hospital, London, United Kingdom (Ed.)

The Young Adult Hip in Sport

This book focuses on the problems seen in the adult hip in sport including pre arthritic inflammatory, non inflammatory, and degenerative causes of hip pain. It particularly focuses on our rapidly evolving understanding and treatment of joint preserving surgery. In this book experts in the field discuss the anatomy, diagnosis, investigation and pathophysiology of young adult hip disease with a particular focus on the sporting population. Sports Medicine is now a specialty in its own right. Worldwide, hip and groin pain in elite sport is an unresolved issue. This is an area that has expanded dramatically in the last 5 years and hip arthroscopy as a procedure has arrived in a big way[...]

Features

The Young Adult Hip in Sport covers the full breadth of hip problems and injuries that challenge us, reflecting the recent revolution in understanding of the pathophysiology of hip disease and of hip injuries in sport. This increase in interest has delivered many new investigational and interventional modalities to demystify the discipline. This has encompassed an increased understanding of how the [...]

Contents

Section 1.-The basics of the assessment of the young adult hip.-The anatomy of hip disease.-Imaging in hip disease - This would be broken down into sections of.Plain radiographs.The use of ultrasound.The use of CT.The use of MRI.The use of Nuclear medicine.The use of PET scanning.-Clinic diagnosis in hip disease.-Biomechanics of the hip.-Section 2.-The conditions that Underpin Hip Pain in the Young Adult.-Congenital/Developmental conditions of the hip.-Slipped Upper Femoral Epiphysis and its variants.-The pathology and management of impingement.-The pathology and management of[...]

Fields of interest

Orthopedics; Sports Medicine; Surgical Orthopedics; Physiotherapy; Primary Care Medicine

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-5411-2

Hardcover

2014. XII, 326 p. 186 illus., 70 illus. in color. ISBN 978-1-4471-5411-2

Due: October 31, 2013

E. Linghu, Chinese PLA General Hospital, Beijing, China (P.R.) (Ed.)

Therapeutics of Digestive Endoscopic Tunnel Technique

This book elaborates on a whole new understanding of digestive endoscopy, the core of which is to treat quite a number of diseases using minimally invasive methods, provides the walls of the digestive tube are free of perforations. Currently, the tunnel technique has been applied in the treatment of digestive early stage carcinomas, esophageal achalasia and submucosal tumors originating from muscularis propria. And this promising technique would surely be more widely used in the future. The main contents of this book include the history of the digestive endoscopic tunnel technique, the practical anatomy involved, operation steps, indications and contraindications, complications and[...]

Features

This book elaborates on a whole new understanding of digestive endoscopy, the core of which is to treat quite a number of diseases using minimally invasive methods, provides the walls of the digestive tube are free of perforations. Currently, the tunnel technique has been applied in the treatment of digestive early stage carcinomas, esophageal achalasia and submucosal tumors originating from muscularis [...]

Contents

Principles of digestive endoscopic tunnel technique.- Indications of tunnel technique.- Endoscopic Ling classification of the esophageal lumen.- Techniques in tunnel establishment.- Process of tunnel establishment and anatomic marks within the tunnel.- Tunnel technique for digestive mucosal lesions.- Tunnel technique for esophageal achalasia.- Tunnel technique for SMTs originating from muscularis propria.- Treatment and prevention of complications of tunnel technique.- Experimental researches of digestive endoscopic tunnel technique.- Equipments and accessories.

Fields of interest

Gastroenterology; Surgical Oncology; Minimally Invasive Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-94-007-7343-1

Hardcover

2014. XVIII, 149 p. 72 illus.

ISBN 978-94-007-7343-1

usually dispatched within 3 to 5 business days

P. Astoul, Hôpital Nord, Marseille cedex 20, France; G. Tassi, Spedali Civili di Brescia, Brescia (BS), Italy; J.-M. Tschopp (Eds.)

Thoracoscopy for Pulmonologists

A Didactic Approach

There is an increasing need for medical thoracoscopy performed by pulmonologists, which may be video assisted and has the advantage of being very cost-effective. This book is a comprehensive and up-to-date guide to thoracoscopy for pulmonologists that documents the considerable progress in endoscopic telescopes and instrumentation. Clear practical guidance is provided on technique, and diagnostic, therapeutic, and interventional applications of thoracoscopy are all carefully examined with the aid of high-quality illustrations. Although medical thoracoscopy is much less invasive than thoracotomy, complications can occur in a small number of cases; these are discussed and advice on[...]

Features

The incidence of pleural disease is increasing, and it is now accepted that best practice requires the incorporation of thoracoscopy into the work-up. However, surgeons cannot meet the rising demand for thoracoscopy by means of video-assisted thoracoscopic surgery (VATS), and waiting lists for endoscopic pleural procedures are consequently lengthening. Against this background, there is an increasing need [...]

Contents

Part I The Pleura and Thoracoscopy Technique.- Part II Thoracoscopy for the Beginners - Part III Interventional Thoracoscopy.- Part IV Advanced Thoracoscopy.- Part V Complications of Thoracoscopy and Management.- Part VI Future in the Field of Thoracoscopy.

Fields of interest

Thoracic Surgery; Surgery; Surgical Oncology; Pneumology/Respiratory System

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-642-38350-2

Hardcover

2014. XV, 266 p. 172 illus., 145 illus. in color.

ISBN 978-3-642-38350-2

Online orders shipping within 2-3 days.

J.C. Watkinson, Queen Elizabeth Hospital, Birmingham, United Kingdom; D.M. Scott-Coombes, University Hospital of Wales, Cardiff, United Kingdom (Eds.)

Tips and Tricks in Endocrine Surgery

This book provides a concise summary across all aspects of endocrine surgery, covering the major endocrine organs and discussing aspects of surgical care. It comprises five sections covering the major endocrine organs/systems, each with a specialist section editor. Within each section there are a number of brief (2-3 page) chapters, written in a combination of prose and bullet points, a format that is conducive to both detailed reading and quicker, "dipping in", review. Each chapter contains a "Pearls and Pitfalls" summary box. The text takes into account the latest evidence and current expert opinion from an internationally renowned list of authors.

Features

Endocrine surgery is a highly specialised field due to the technical nature of the procedures and associated risks. Despite this, endocrine operations sometimes fall to the general surgeon to deploy. Tips and Tricks in Endocrine Surgery aims to provide a concise summary of all aspects of endocrine surgery, taking into account the latest evidence and current expert opinion. The book comprises [...]

Contents

1. Adrenal and Paraganglioma: Presentation, Assessment and Diagnosis.- 2. Cushing's Disease and Syndrome.- 3. Management of Conn's Syndrome.- 4. Pheochromocytoma and Paraganglioma.- 5. Adrenocortical Carcinoma and Open Adrenalectomy.- 6. Adrenal Metastasectomy.- 7. Minimally Invasive Adrenal Surgery.- 8. Diagnosis and Pre-Operative Assessment (Algorithms) for Pancreatic NETs.- 9. Localisation of Pancreatic and Gastrointestinal NETs.- 10. Surgery for Pancreatic Neuroendocrine Neoplasms (pNEN).- 11. Gastrointestinal Neuroendocrine Tumour (NET) Surgery.- 12. Assessment of Goitre.- 13.[...]

Fields of interest

General Surgery; Endocrinology; Surgery

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-0-85729-982-6

Softcover

2014. XVII, 313 p. 43 illus., 28 illus. in color.

ISBN 978-0-85729-982-6

Due: October 31, 2013

O.S. Miettinen, Joint Departments of Epidemiology, Montreal, Canada

Toward Scientific Medicine

Scientific medicine in Miettinen's conception of it is very different from the two ideas about it that come to eminence in the 20th century. To him, medicine is scientific to the extent that it has a rational theoretical framework and a knowledge-base from medical science. He delineates the nature of that theoretical framework and of the research to develop the requisite knowledge for application in such a framework.

The knowledge ultimately needed is about diagnostic, etiologic, and prognostic probabilities, and it necessarily is to be codified in the form of probability functions, embedded in practice-guiding expert systems. In these terms, today's medicine still[...]

Features

Scientific medicine in Miettinen's conception of it is very different from the two ideas about it that came to eminence in the 20th century. To him, medicine is scientific to the extent that it has a rational theoretical framework and a knowledge-base from medical science. He delineates the nature of that theoretical framework and of the research to develop the requisite knowledge for [...]

Contents

Foreword. Preface. Acknowledgments. On medicine's bonds with science. Part I The knowledge-base of medicine at present.- The daunting needs for knowledge.- The necessary forms of the knowledge.- The knowledge according to its source. Part II Whither from here?- Needed innovations of the knowledge culture. Part III Medical science for scientific medicine.- Original research for scientific diagnosis.- Original research for scientific etiology.- Original research for scientific prognosis.- Derivative research for scientific gnosis.- From gnostic research to gnostic knowledge. Epilogue.[...]

Fields of interest

Medicine (general); Theory of Medicine / Bioethics; Medical Education; Science Education; Biomedicine (general)

Target groups

Research

Type of publication

Graduate/advanced undergraduate textbook

More on www.springer.com/978-3-319-01670-2

Hardcover

2014. XVII, 183 p.
ISBN 978-3-319-01670-2

Due: October 31, 2013

S. Di Saverio, G. Tugnoli, F. Catena, L. Ansaloni, N. Naidoo, Port Shepstone Regional Hospital, Port Shepstone, South Africa (Eds.)

Trauma Surgery

Volume 1: Trauma Management, Trauma Critical Care, Orthopaedic Trauma and Neuro-Trauma

Trauma surgery has increasingly become a specialized field inspired by different principles and philosophy. A good trauma surgeon is a surgeon who knows how to perform abdominal vascular, thoracic, urologic, gynecologic, and orthopaedic procedures and is able to repair multiple traumatic injuries in the best sequence possible. In this first volume, practical, up-to-date guidance is provided on the optimal critical care and ICU management of trauma patients. In addition, individual chapters focus on specific injuries in orthopaedic trauma (and especially spinal trauma) and neurotrauma, with the aim of providing a fresh view of the surgical approach and practical suggestions for[...]

Features

Trauma surgery has increasingly become a specialized field inspired by different principles and philosophy. A good trauma surgeon is a surgeon who knows how to perform abdominal vascular, thoracic, urologic, gynecologic, and orthopaedic procedures and is able to repair multiple traumatic injuries in the best sequence possible. In this first volume, practical, up-to-date guidance is provided on the optimal [...]

Contents

Training, Education and Decision-making in Trauma Surgery.- Management of the Polytrauma Patient.- Damage Control Resuscitation.- Principles and Philosophy of Damage Control Surgery.- Surgical Treatment of Pelvic Fractures.- Surgery of the Cervical Spine Trauma.- Surgery of the Thoracolumbar Spine Trauma.- Surgery of the Extremity Trauma.- Minimally Invasive Approach and Endovascular Techniques for Vascular Trauma.- Interventional Techniques for Hemorrhage Control in Trauma.- Management of Penetrating Neck Injuries.- Acute Traumatic Brain Injuries and Their Management.- Establishing a[...]

Fields of interest

Traumatic Surgery; Surgery; General Surgery; Abdominal Surgery; Thoracic Surgery; Intensive / Critical Care Medicine

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-88-470-5402-8

Softcover

2014. XII, 213 p. 38 illus., 10 illus. in color.
ISBN 978-88-470-5402-8

Due: October 31, 2013

S. Di Saverio, G. Tugnoli, F. Catena, L. Ansaloni, N. Naidoo, Port Shepstone Regional Hospital, Port Shepstone, South Africa (Eds.)

Trauma Surgery

Volume 2: Thoracic and Abdominal Trauma

Trauma surgery has increasingly become a specialized field inspired by different principles and philosophy. A good trauma surgeon is a surgeon who knows how to perform abdominal, vascular, thoracic, urologic, gynecologic, and orthopaedic procedures and is able to repair multiple traumatic injuries in the best sequence possible. In this second volume the focus is exclusively on thoracic and abdominal trauma, with coverage of injuries to all regions. The surgical techniques employed in managing such trauma are carefully described with the aid of high-quality illustrations. Exploratory surgery (via either laparotomy or laparoscopy), damage control surgery, and definitive surgery are all[...]

Features

Trauma surgery has increasingly become a specialized field inspired by different principles and philosophy. A good trauma surgeon is a surgeon who knows how to perform abdominal, vascular, thoracic, urologic, gynecologic, and orthopaedic procedures and is able to repair multiple traumatic injuries in the best sequence possible. In this second volume the focus is exclusively on thoracic and abdominal trauma, [...]

Contents

1 Trauma Laparotomy.- 2 Laparoscopy for Trauma: When, What, How?.- 3 Thoracic Damage Control.- 4 Vascular Damage Control.- 5 Pelvic Damage Control.- 6 Surgical Treatment of Thoracic Trauma: Lung.- 7 Surgical treatment of Thoracic Trauma: Mediastinum.- 8 Surgical Treatment of Liver And Biliary Tree Trauma.- 9 Surgical Treatment of Spleen Trauma.- 10 Surgical Treatment of Duodenal Trauma.- 11 Surgical Treatment of Pancreatic Trauma.- 12 Surgical Treatment of Gastric Injury.- 13 Traumatic Small Bowel and Mesentery Injuries (SBMI).- 14 Surgical Management of Traumatic Colon and Rectal[...]

Fields of interest

Traumatic Surgery; Thoracic Surgery; Abdominal Surgery; Surgery; Intensive / Critical Care Medicine; General Surgery

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-88-470-5458-5

Softcover

2014. XV, 319 p. 73 illus., 47 illus. in color.
ISBN 978-88-470-5458-5

Due: October 31, 2013

M.A. Cuesta, Vrije Universiteit Medical Centre, Amsterdam, Netherlands; H.J. Bonjer, VU University Medical Center Amsterdam, Amsterdam, Netherlands (Eds.)

Treatment of Postoperative Complications After Digestive Surgery

Any surgical intervention, elective or acute, may lead to postoperative complications. Moreover, the pertaining approach - laparoscopic or open - will probably not differ in the morbidity rate after surgery. Complications that occur after a surgical intervention can be classified as major or minor. Major complications to the digestive tract after surgery imply in most of cases a leakage of an anastomosis, bleeding in the abdominal cavity or in the tract, the appearance of intraperitoneal abscesses, or surgical site infections and wound dehiscence. These complications, depending on the organ affected, upper GI, HPB tract or colorectal, are associated with high morbidity and mortality.[...]

Features

Any surgical intervention, elective or acute, may lead to postoperative complications. Moreover, the pertaining approach - laparoscopic or open - will probably not differ in the morbidity rate after surgery. Complications that occur after a surgical intervention can be classified as major or minor. Major complications to the digestive tract after surgery imply in most of cases a leakage of an [...]

Contents

1. The Surgical Stress Response following Colorectal Surgery.- 2. Are Major Complications after Digestive Surgery Preventable?.- 3. The Clavien-Dindo Classification of Surgical Complications.- 4. Diagnosis and Treatment of Major Abdominal Complications is a Multidisciplinary Work.- 5. General Principles of Recognition of Major Complication Following Surgery of the Digestive Tract.- 6. Is There Less Morbidity After Laparoscopic Surgery?.- 7. Is There Less Morbidity After Fast Track Surgery?.- 8. Prevention and Treatment of Major Complications after Esophageal Surgery.- 9. How to Prevent,[...]

Fields of interest

Gastroenterology; Endocrinology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4471-4353-6

Hardcover

2014. XIII, 315 p. 83 illus., 43 illus. in color. ISBN 978-1-4471-4353-6

Due: December 31, 2013

T. Tsukahara, Kyoto National Hospital, Kyoto, Japan; G. Esposito, Klinik für Neurochirurgie, Zürich, Switzerland; H.-J. Steiger, Universitätsklinikum Düsseldorf, Düsseldorf, Germany; G.J.E. Rinkel, Dept. of Neurology and Neurosurgery, Utrecht, Netherlands; L. Regli, Klinik für Neurochirurgie, Zürich, Switzerland (Eds.)

Trends in Neurovascular Interventions

This book covers topical issues in neurovascular surgery, and in particular the management of intracranial aneurysms, arteriovenous malformations, and cavernomas, current trends in cerebral revascularization, and new concepts in cerebrovascular imaging. The contents reflect the continuing developments in interventions in cerebrovascular disorders as a result of progress in neuroimaging, evolution of pathophysiological concepts, new clinical trials, and technological innovations. The chapters are all written by acknowledged experts from across the world, and comprise original papers presented at the 6th European Japanese Stroke Surgery Conference, held in June 2012 in Utrecht, The[...]

Features

This book covers topical issues in neurovascular surgery, and in particular the management of intracranial aneurysms, arteriovenous malformations, and cavernomas, current trends in cerebral revascularization, and new concepts in cerebrovascular imaging. The contents reflect the continuing developments in interventions in cerebrovascular disorders as a result of progress in neuroimaging, evolution of [...]

Contents

INTRACRANIAL ANEURYSMS: Surgical decision-making for managing complex intracranial aneurysms.- Recurrent and incompletely treated aneurysms.- The mini supra-orbital approach for cerebral aneurysm of the anterior portion of the circle of Willis.- Surgical exclusion of unruptured middle cerebral artery aneurysms: experience on 126 cases.- Progress in the treatment of unruptured aneurysms.- Distal Basilar Artery Aneurysms: Conditions for the safe and secure clipping.- Role of bypass surgery and balloon occlusion test for the endovascular management of fusiform dissecting aneurysms. Report[...]

Fields of interest

Neurosurgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-3-319-02410-3

Hardcover

2014. VI, 164 p. 60 illus., 34 illus. in color. (Acta Neurochirurgica Supplement, Vol. 119) ISBN 978-3-319-02410-3

Due: January 31, 2014

M.A. Hayat, Kean University, Union, USA (Ed.)

Tumors of the Central Nervous System, Volume 13

Pineal, Pituitary, and Spinal Tumors

Volume 13: Pineal, Pituitary, and Spinal Tumors is organized in six sections, for convenience and quick access to critical information. Section I, Types of Tumors includes a chapter on molecular characterization of Embryonal tumors, a chapter on diagnosis of metastatic oligodendroglioma using fine-needle aspiration cytology, one covering intra-arterial chemotherapy of oligodendroglioma and another on the role of cyclooxygenase-2 in the development and growth of Schwannomas, and others, closing with a chapter on trigeminal neuralgia with cerebellopontine angle tumors. Section II, Diagnosis, includes two chapters on cell counting in histopathologic slides of tumors. Section III[...]

Features

Volume 13: Pineal, Pituitary, and Spinal Tumors is organized in six sections, for convenience and quick access to critical information. Section I, Types of Tumors includes a chapter on molecular characterization of Embryonal tumors, a chapter on diagnosis of metastatic oligodendroglioma using fine-needle aspiration cytology, one covering intra-arterial chemotherapy of oligodendroglioma [...]

Contents

Preface. I Types of tumors.- Embryonal tumor: molecular characterization.- Oligodendroglioma: intra-arterial chemotherapy.- Metastatic oligodendroglioma: diagnosis with fine-needle Aspiration cytology.- Management of hemangiopericytoma.- Role of cyclooxygenase-2 in the development and growth of Schwannomas.- Adult primary gliosarcoma: epidemiology.- Mesenchymal chondrosarcoma in the central nervous system: Histological diagnosis.- Supratentorial primitive neuroectodermal tumors (pnet).- Retinoblastoma and reproductive decisionmaking.- Trigeminal neuralgia with cerebellopontine[...]

Fields of interest

Neuroradiology; Life Sciences (general); Cancer Research; Diagnostic Radiology; Neurosurgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-94-007-7601-2

Hardcover

2014. XIV, 286 p. 44 illus., 32 illus. in color. (Tumors of the Central Nervous System, Vol. 13) ISBN 978-94-007-7601-2

Due: November 30, 2013

M.R. Yuce, Monash University, Clayton, Australia (Ed.)

Ultra-Wideband and 60 GHz Communications for Biomedical Applications

This book investigates the design of devices, systems, and circuits for medical applications using the two recently established frequency bands: ultra-wideband (3.1-10.6 GHz) and 60 GHz ISM band. These two bands provide the largest bandwidths available for communication technologies and present many attractive opportunities for medical applications. The applications of these bands in healthcare are wireless body area network (WBAN), medical imaging, biomedical sensing, wearable and implantable devices, fast medical device connectivity, video data transmission, and vital signs monitoring. The recent technological advances and developments proposed or used in medicine based on these[...]

Features

This book investigates the design of devices, systems, and circuits for medical applications using the two recently established frequency bands: ultra-wideband (3.1-10.6 GHz) and 60 GHz ISM band. These two bands provide the largest bandwidths available for communication technologies and present many attractive opportunities for medical applications. The applications of these bands in healthcare are wireless [...]

Contents

Preface.- UWB and mmWaves Communication Techniques and Systems for Healthcare.- A Low Power Interference Robust IR-UWB Transceiver SoC for WBAN Applications.- UWB for Around-the-Body Data Streaming.- System-on-a-Chip UWB Radar Sensor for Contactless Respiratory Monitoring: Technology and Applications.- Ultra Wideband Imaging Systems for Breast Cancer Detection.- Implementation of Ultra-Wideband (UWB) Sensor Nodes for WBAN applications.- Medium Access Control (MAC) Protocols for Ultra-Wideband (UWB) based Wireless Body Area Networks (WBAN).- Antenna Diversity Techniques for Enhanced[...]

Fields of interest

Imaging / Radiology; Biomedical Engineering; Microwaves, RF and Optical Engineering

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-8895-8

Hardcover

2014. I, 499 p. 131 illus., 51 illus. in color.
ISBN 978-1-4614-8895-8

Due: October 31, 2013

F. Draghi, Policlinico San Matteo, Pavia, Italy

Ultrasonography of the Upper Extremity

Hand and Wrist

This practice-oriented book, containing a wealth of high-quality ultrasound images, provides clear, concise, and complete coverage of the normal anatomy of the hand and wrist – tendons, nerves, and vascular structures – as well as the main pathologic conditions encountered in this area. The ultrasound images have been acquired with state of the art scanners and carefully labeled to facilitate recognition of each and every anatomic structure. Helpful comparison is also made with images and findings obtained using other diagnostic techniques, including in particular magnetic resonance imaging. The lucid text is complemented by practical tables summarizing key points for ease of[...]

Features

This practice-oriented book, containing a wealth of high-quality ultrasound images, provides clear, concise, and complete coverage of the normal anatomy of the hand and wrist – tendons, nerves, and vascular structures – as well as the main pathologic conditions encountered in this area. The ultrasound images have been acquired with state of the art scanners and carefully labeled to facilitate recognition of [...]

Contents

Introduction.- Extensor tendons in the wrist: anatomy.- Extensor tendons in the wrist: pathology.- De Quervain disease.- Intersection syndrome.- Wartenberg syndrome.- Flexor carpi radialis, palmaris longus, flexor carpi ulnaris: anatomy and pathology.- Carpal tunnel: anatomy.- Carpal tunnel syndrome.- Guyon canal.- Tendons of the digits: anatomy and pathology.- The Pulleys and sagittal bands.- Dupuytren disease.- The ulnar collateral ligament of the metacarpophalangeal joint of the thumb.- Rheumatoid arthritis.- Osteoarthritis.- Ganglia.- Foreign bodies.- Vascular disorders of the hand[...]

Fields of interest

Imaging / Radiology; Ultrasound; Diagnostic Radiology; Rheumatology; Orthopedics

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-319-02161-4

Hardcover

2014. V, 76 p. 146 illus., 67 illus. in color.
ISBN 978-3-319-02161-4

Due: October 31, 2013

L. Stadtmayer, Eastern Virginia Medical School, Norfolk, USA;
I. Tur-Kaspa, Institute for Human Reproduction, Chicago, USA
(Eds.)

Ultrasound Imaging in Reproductive Medicine

Advances in Infertility Work-up, Treatment, and ART

Over the last 25 years, the advances in ultrasound have paralleled advances in Assisted Reproductive Technology (ART). ART could not even be practiced or considered today without imaging. Ultrasound has become the most important and widely used tool in the diagnosis and treatment of infertility. Ultrasound evaluation is one of the first steps to assess the cause of infertility; the three areas of evaluation are the ovaries, uterus, and fallopian tubes. Ultrasound allows physicians to diagnose ovarian reserve but also pathologies such as polycystic ovarian syndrome, endometriosis, or other ovarian cysts that can impact fertility. The results of this initial exam immediately affect the[...]

Features

Can physicians, nurses, and ultrasonographers imagine infertility diagnosis and treatment and assisted reproductive technologies (ART) today without ultrasound? Ultrasound Imaging in Reproductive Medicine provides the most comprehensive know-how of modern imaging for all who are actively involved in ART and reproductive medicine. All that you wanted to know about the role of ultrasound - from the [...]

Contents

Part I: Ultrasound Technique.- Ultrasound in Reproductive Medicine: Is It Safe?- Principles of 3D Ultrasound.- Two Dimensional and Three Dimensional Doppler in Reproductive Medicine.- Legal Aspects of Ultrasound Imaging in Reproductive Medicine.- Part II: Ultrasound in Infertility Workup.- The Normal Ovary.- Ovarian Reserve and Ovarian Cysts.- Ultrasound and PCOS.- The Normal Uterus.- Congenital Uterine Anomalies.- Uterine Fibroids.- Endometrial Polyps.- Intrauterine Adhesions.- Sonohysterography (SHG) in Reproductive Medicine.- Evaluation of Tubal Patency (HyCoSy, Doppler).- [...]

Fields of interest

Reproductive Medicine; Imaging / Radiology; Diagnostic Radiology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-9181-1

Hardcover

2014. XX, 400 p. 180 illus., 111 illus. in color.
ISBN 978-1-4614-9181-1

Due: November 30, 2013

G. Torzilli, Istituto Clinico Humanitas, Rozzano (Milano), Italy (Ed.)

Ultrasound-Guided Liver Surgery

An Atlas

Ultrasound guidance of liver surgery is a very sophisticated approach that permits the performance of otherwise unfeasible operations, discloses the true extent of tumors, increases the indications for hepatectomy, and renders surgery safer. Despite this, it has remained relatively neglected in the literature over the past two decades, during which time much progress has been achieved. This is the first atlas on the subject, and it is comprehensive in scope. The state of the art in the use of ultrasound for resection guidance is carefully documented, and new techniques for exploration of the biliary tract and facilitation of transplant surgery are presented. Further important topics[...]

Features

Ultrasound guidance of liver surgery is a very sophisticated approach that permits the performance of otherwise unfeasible operations, discloses the true extent of tumors, increases the indications for hepatectomy, and renders surgery safer. Despite this, it has remained relatively neglected in the literature over the past two decades, during which time much progress has been achieved. This is the [...]

Contents

Part I Introductory aspects: 1 Technological requirements for ultrasound-guided liver surgery.- 2 Technical tricks to start exploring the liver with ultrasound.- 3 Exploring the liver with ultrasound following its anatomical features.- Part II Diagnosis and Staging: 4 Diagnosis and staging: intraoperative ultrasound.- 5 Diagnosis and staging: contrast enhanced intraoperative ultrasound and intravascular contrast agents.- 6 Contrast-enhanced intraoperative ultrasound using liver-specific contrast agents.- Part III Hepatobiliary Surgery: 7 Planning of the surgical strategy.- 8 Resection[...]

Fields of interest

Abdominal Surgery; Ultrasound; Medicine (general)

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-88-470-5509-4

Hardcover

2014. VII, 207 p. 344 illus., 293 illus. in color.
ISBN 978-88-470-5509-4

Due: October 31, 2013

M.E. Moran, William P. Didusch Center, Linthicum, USA

Urolithiasis

A Comprehensive History

Urolithiasis: A Comprehensive History provides a historical sojourn into the varied manifestations of kidney stone disease. Utilizing historical sources and integrating classic material with new concepts, this new volume provides depth and details on stone disease not found in modern overviews on the topic. This volume serves as a very useful tool for physicians and researchers dealing with kidney stone disease. Written by a renowned expert in the field, Urolithiasis: A Comprehensive History is an in depth resource that heightens our medical understanding of this ancient disease and is of great value to urologists, nephrologists, endocrinologists interested in stone disease.

Features

Urolithiasis: A Comprehensive History provides a historical sojourn into the varied manifestations of kidney stone disease. Utilizing historical sources and integrating classic material with new concepts, this new volume provides depth and details on stone disease not found in modern overviews on the topic. This volume serves as a very useful tool for physicians and researchers dealing with kidney [...]

Contents

A History of Histories.- Epistemology and Lithology.- Laboring Under the Stone: A Literary Legacy of Lithiasis.- Paleolithology.- Greco-Roman Stone Disease.- Dark Ages, Dark Therapies.- Renaissance of Urolithiasis.- van Beverwijk-The Bridge from Ancient to Modern.- Enlightened Minds and Stone Disease.- Charlatans, Quacks & Joanna Stephens.- Evolution of Stone Disease.- Founding Fathers of Stone Chemistry.- Famous Stone Sufferers.- Frederick Ruysch's Fascination With Urolithiasis.- Gray's Anatomy of Stones: Henry Vandyke Carter.- The Stone Hospital & Stone Treatment.- Liesegang's Rings.- [...]

Fields of interest

Urology / Andrology; Primary Care Medicine; Nephrology; Internal Medicine; Endocrinology

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-1-4614-8195-9

Hardcover

2014. XIV, 471 p. 58 illus., 32 illus. in color.
ISBN 978-1-4614-8195-9

Due: October 31, 2013

V.H. Nargund, University of London, London, United Kingdom; D. Raghavan, University of Southern California, Los Angeles, USA; H.M. Sandler (Eds.)

Urological Oncology

Urological Oncology, Second Edition offers an updated multi-disciplinary and multi professional approach to the assessment, diagnosis, treatment and follow-up care of patients being investigated and treated for urological malignancies. As a professional resource for all nurses involved in the care of uro-oncology patients, particularly those in advanced practice roles, there is an emphasis on developing advanced practice with in-depth discussions to support evidence based, patient focused care. Mainly aimed at trainee nurses, nurse practitioners in urology / urological oncology, Urological Oncology, Second Edition, is also useful for general nurse practitioners. With this in mind[...]

Features

Urological Oncology, Second Edition offers an updated multi-disciplinary and multi professional approach to the assessment, diagnosis, treatment and follow-up care of patients being investigated and treated for urological malignancies. As a professional resource for all nurses involved in the care of uro-oncology patients, particularly those in advanced practice roles, there is an emphasis on developing [...]

Fields of interest

Oncology; Urology / Andrology; Imaging / Radiology; Surgical Oncology; Surgery

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-0-85729-481-4

Softcover

2014. X, 490 p. 100 illus. in color.
ISBN 978-0-85729-481-4

Due: December 31, 2013

S. Kyo, The University of Tokyo, Tokyo, Japan (Ed.)

Ventricular Assist Devices in Advanced-Stage Heart Failure

This book focuses on how ventricular assist devices (VADs) can help provide destination therapy for patients with terminal heart failure, one of the most serious diseases in the world today because of the tremendous number of patients, the high mortality rate, and the cost of care. One means of providing cardiological support for patients suffering from heart failure is with VADs, and more than 10,000 patients worldwide have now been implanted with these devices. Half of them already have lived more than one year, and 2,000 patients more than two years, after surgery. This improved survival means that we have reached a point where VADs can be used for destination therapy, not just for[...]

Features

This book focuses on how ventricular assist devices (VADs) can help provide destination therapy for patients with terminal heart failure, one of the most serious diseases in the world today because of the tremendous number of patients, the high mortality rate, and the cost of care. One means of providing cardiological support for patients suffering from heart failure is with VADs, and more than 10,000 [...]

Contents

Chapter 1. Opportunities and Challenges for LVAD Therapy Now and in The Future.- Chapter 2. The State of Ventricular Assist Device Therapy Today.- Chapter 3. Older Destination Therapy Patient Selection.- Chapter 4. The Economics of Long-Term Ventricular Assist Device Therapy for Patients with End Stage Heart Failure.- Chapter 5. Improving Clinical Outcomes: A Targeted Approach.- Chapter 6. Transplant versus VAD: Evolving and Future Perspectives.- Chapter 7. Strategies to Assess and Minimize Right Heart Failure after Left Ventricular Assist Device Implantation.- Chapter 8. Innovation Update.

Fields of interest

Cardiology; Cardiac Surgery; Thoracic Surgery

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-4-431-54465-4

Hardcover

2014. XII, 180 p. 47 illus., 45 illus. in color.
ISBN 978-4-431-54465-4

Due: November 30, 2013

M. Holick, Boston University School of Medicine, Boston, USA (Ed.)

Vitamin D

Physiology, Molecular Biology, and Clinical Applications, Volume 1

In Vitamin D: Physiology, Molecular Biology, and Clinical Applications, Second Edition, Volume 1, leading researchers provide a comprehensive, highly readable overview of the biological functions and clinical applications of vitamin D and its metabolites. Presented in a newly affordable softcover format this volume contains Parts IV through VII of the previously published hardcover text. Topics range from the most recent recommendations for vitamin D intake to new approaches for the treatment and prevention of vitamin D deficiency and the development of active vitamin D drugs to treat psoriasis and cancer. The book demonstrates the significant role that vitamin D has in maintaining[...]

Features

In Vitamin D: Physiology, Molecular Biology, and Clinical Applications, Second Edition, Volume 1, leading researchers provide a comprehensive, highly readable overview of the biological functions and clinical applications of vitamin D and its metabolites. Presented in a newly affordable softcover format this volume contains Parts IV through VII of the previously published hardcover text. Topics range from the [...]

Contents

Vitamin D and Health: Evolution, Biologic Functions, and Recommended Dietary Intakes for Vitamin D.- Photobiology of Vitamin D.- The Functional Metabolism and Molecular Biology of Vitamin D Action.- Metabolism and Catabolism of Vitamin D, Its Metabolites and Clinically Relevant Analogs.- The Molecular Biology of the Vitamin D Receptor.- VDR and RXR Subcellular Trafficking.- Mechanism of Action of 1,25-Dihydroxyvitamin D₃ on Intestinal Calcium Absorption and Renal Calcium Transport.- Biological and Molecular Effects of Vitamin D on Bone.- Biological and Molecular Effects of Vitamin D[...]

Fields of interest

Clinical Nutrition; Nutrition; Endocrinology; Internal Medicine; Biochemistry; Cell Biology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-1-4614-6048-0

Softcover

2013. XXIV, 612 p. 131 illus., 7 illus. in color. (Nutrition and Health)
ISBN 978-1-4614-6048-0

usually dispatched within 3 to 5 business days

D.C. Alpini, "Don Carlo Gnocchi" Foundation, Milan, Italy; G. Brugnoli, Università di Roma "Sapienza", Rome, Italy; A. Cesarani, Università degli Studi di Milano, Milano, Italy (Eds.)

Whiplash Injuries

Diagnosis and Treatment

The new edition of this book provides an up-to-date and comprehensive overview of whiplash-associated disorders, focusing in particular on a functional approach to clinical and instrumental diagnosis and rehabilitative treatment. It fully reflects the changes in our understanding of whiplash injuries since the first edition, and in particular the increased awareness that whiplash is a whole-body trauma in which forces act progressively from the lumbar region to the brain, through the cervical spine. Detailed attention is paid to the functional connections between the sense organs of the inner ear, the sympathetic system, and the spine with a view to optimizing diagnosis and treatment.[...]

Features

The new edition of this book provides an up-to-date and comprehensive overview of whiplash-associated disorders, focusing in particular on a functional approach to clinical and instrumental diagnosis and rehabilitative treatment. It fully reflects the changes in our understanding of whiplash injuries since the first edition, and in particular the increased awareness that whiplash is a whole-body trauma in [...]

Contents

Part I General Aspects.- Part II Pathophysiology.- Part III Evaluation.- Part IV Treatment.- Part V Conclusive remarks.

Fields of interest

Rehabilitation Medicine; Otorhinolaryngology

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-88-470-5485-1

Hardcover

2014. X, 427 p. 114 illus., 24 illus. in color.
ISBN 978-88-470-5485-1

Due: November 30, 2013

