**Translational Vascular Medicine**

**Pathogenesis, Diagnosis, and Treatment**

**Features**
- A primer for translational vascular medicine
- Discusses the evolving and exciting areas of basic science applied to vascular medicine
- Provides a large amount of new basic and clinical information
- Contributors are world leaders.

**Contents**
Section 1 – Hot Topics in Vascular Biology.
2. Benefits and risks of manipulating the HIF hydroxylase pathway in ischaemic heart disease.
3. Cytoprotective mechanisms in the vasculature.
4. Notch signalling in vascular development.
Section 2 - Novel Molecular Mediators Regulating Cardiovascular System.
5. The therapeutic potential of dimethylarginine dimethylaminohydrolase mediated regulation of nitric oxide synthesis.
6. Potassium channels regulating the electrical activity of the heart.
Section 3 - Clinical Aspects of Cardiovascular Disease.
8. The Broken Heart Syndrome.
10. Importance of sub-type selectivity for endothelin receptor antagonists in the human vasculature.
11. Non-pharmacological treatment of PAD.
12. Surgical Approaches to Abdominal Aortic Aneurysm Repair.
Section 4 - Clinical and translational Aspects of Pulmonary Vascular Disease.
13. Understanding the pathobiology of pulmonary vascular disease.

**Fields of interest**
Cardiology; Gene Expression; Human Physiology

**Target groups**
Research

**Product category**
Reference work

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- A primer for translational vascular medicine
- Discusses the evolving and exciting areas of basic science applied to vascular medicine
- Provides a large amount of new basic and clinical information
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**Fields of interest**
Cardiology; Gene Expression; Human Physiology

**Target groups**
Research

**Product category**
Reference work

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**PNF in Practice**

An Illustrated Guide

The PNF approach, presented in a fully illustrated hands-on guide, including 650 photos. Focus 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 treatment. New for this edition: new full-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 application of PNF techniques in promoting the patients’ everyday–life motor skills on activity and participation levels.

**Features**
- Fully illustrated guide: approx. 650 full-color photos
- Focus on practical aspects of patient evaluation and treatment
- ICF and Motor Learning applied to PNF
- New textbook design for more user-friendly experience

**Contents**
Introduction to Proprioceptive Neuromuscular Facilitation.
- 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.

**Fields of interest**
Physiotherapy; Occupational Therapy; Neurology

**Target groups**
Professional/practitioner

**Product category**
Professional book

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**Available**
2012. XIV, 266 p. 54 illus., 28 in color. Hardcover
- *€ (D) 149,75 | € (A) 153,94 | sFr 186,50
- *€ 139,95 | €126.00

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**Available**
2013. 180 p. 425 illus., 350 in color. Softcover
- *€ (D) 5,30 | € (A) 5,45 | sFr 7,00
- *€ 4,95 | £4.99
ISBN 978-3-642-24593-0

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**Due July 2013**
Softcover
- approx. *€ (D) 64,15 | € (A) 65,95 | sFr 80,00
- approx. *€ 59,95 | £53.99
ISBN 978-3-642-34987-4
**Cardiac Imaging in Electrophysiology**

Cardiac arrhythmias are a major cause of death (7 million cases annually worldwide; 400,000 in the U.S. alone) and disability. Yet, a noninvasive imaging modality to identify patients at risk, provide accurate diagnosis and guide therapy is not yet available in clinical practice. Nevertheless, there are various applications of electrophysiologic imaging in humans from ECG/CT reconstructions, MRI to tissue Doppler investigations that provide supplementary diagnostic data to the cardiologist. EP laboratories are experiencing an increase in volume, for both diagnostic and interventional electrophysiology studies, including mapping, ablation, and pacemaker implants. The equipment requirements for these procedures are stringent, include positioning capabilities, and dose management.

**Features**
- Details all of the current imaging methodologies designed to assist in the electrophysiology department. Written by experts from around the world in the field of Cardiac Imaging. A clear and concise review of the topic.

**Contents**
- SECTION 1. Introduction.
- SECTION 2. Non-invasive cardiac imaging modalities.
- SECTION 3. Invasive cardiac imaging modalities.
- SECTION 4. Imaging fusion.
- SECTION 5. Imaging integration into navigation systems.

**Fields of interest**
- Cardiology; Imaging / Radiology

**Target groups**
- Professional/practitioner

**Product category**
- Reference work
**Principles of Health**

**Interoperability HL7 and SNOMED**

The aims and scope of the second edition are unchanged from the first edition. The major market is in health informatics education. The three part format, which covers principles of health interoperability, HL7 and interchange formats, and SNOMED CT and clinical terminology, works well. In the US, The ONC (Office of the National Coordinator for Health Information Technology) has estimated that the HITECH stimulus will create more than 50,000 new jobs for health informatics professionals, who need to be educated.

**Features**

- Updated Second Edition containing sections on both SNOMED CT and HL7 V3
- Authored by one of the most experienced teachers of SNOMED CT and HL7 V3
- Accessible to both relative novices and more experienced practitioners

**Fields of interest**

Health Informatics; Public Health/Gesundheitswesen; Medicine/Public Health, general

**Target groups**

Professional/practitioner

**Product category**

Professional book

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**Smith and Nesi’s Ophthalmic Plastic and Reconstructive Surgery**

Managing editor: C. J. Calvano, Wayne State University, Detroit, MI, USA

**Contents**

Neonatology

A Practical Approach to Neonatal Diseases

This new textbook wants to offer to neonatologists and pediatricians a modern and complete view of the various problems and aspects of neonatology, currently one of the most complex and advanced fields of pediatrics. The first chapters will be dedicated to the epidemiology of neonatal mortality and morbidity and to the conditions responsible for neonatal risk. A section will be devoted to organizational problems of hospitals and home services for efficient modern neonatal and infant care.

Features

► This volume offers both a clear overview and a practical approach to neonatal diseases ► It will represent an up-to-date educational resource ► It will provide the most reliable references from trustworthy authors and centers where the reader can find the latest information on these difficult subjects.

Contents


Fields of interest

Pediatrics; Obstetrics/Perinatology; Maternal and Child Health

Target groups

Professional/practitioner

Product category

Reference work

J. A. Cafardi, University of Alabama at Birmingham, AL, USA

The Manual of Dermatology

The Manual of Dermatology was developed by Dr. Cafardi at the University of Alabama at Birmingham, Department of Dermatology, and covers broad dermatological topics necessary for any dermatology resident treating patients. Topics include alopeca, medication dosing and management, pearls, fungal disorders, genodermatoses, differential diagnoses of various skin diseases, management of infections, surgical anatomy and tips, HIV dermatology, pediatric dermatology, and skin cancer management and terminology. The practicality of this book is unique and includes key clinical data for residents, making it essential as a reference for quick differential diagnoses, work-up tips, management, and treatment options. This quick reference offers a more practical approach to dermatology, with drug names and dosing, and more information on mycology/onychomycosis than any other handbook on the market.

Features

► Essential as a reference for quick differential diagnoses, work-up tips, management, and treatment options ► Portable, comprehensive, easily accessible, and based upon algorithms, tables, and pearls taught to dermatology medical students ► Covers broad dermatological topics necessary for any dermatology resident treating patients ► Practical approach to dermatology, with drug names and dosing, as well as more information than any other related book on mycology/onychomycosis Includes key clinical data for residents.

Contents

Notice.- The Manual of Dermatology.- Index.

Fields of interest

Dermatology; Primary Care Medicine

Target groups

Professional/practitioner

Product category

Professional book

D. F. Charron, IDRC, Ottawa, ON, USA (Ed)

Ecohealth Research in Practice

Innovative Applications of an Ecosystem Approach to Health

This book is about doing innovative research to achieve sustainable and equitable change in people’s health and well-being through improved interactions with the environment. It presents experiences from the field of ecosystem approaches to health (or ecohealth research) and some insights and lessons learned. It builds on previous literature, notably Forget (1997), Forget and Lebel (2001), Lebel (2003), and Waltner-Toews et al. (2008). Through case-studies and other contributions by researchers supported by Canada’s International Development Research Centre (IDRC), the book presents evidence of real changes in conditions of people, their health, and the ecosystems that support them. These changes were derived from applications of an ecosystem approach to health in developing regions of the world. The book also illustrates the resulting body of applied, participatory, and action research that improved health and environmental management in developing countries and, in many cases, influenced policies and practices.

Features

► Ecohealth is an emerging, multidisciplinary, and expanding field of research, practice, and policymaking around the world ► Features case studies from around the world with synthetic analysis of the research ► Demonstrates how ecohealth research has led to sustained improvements in both human and ecosystem health.

Fields of interest

Medicine/Public Health, general; Environmental Management; Ecosystems

Target groups

Research

Product category

Contributed volume

Available

2012. XXI, 282 p. 21 illus., in color. (Insight and Innovation in International Development, Volume 1) Hardcover

► € (D) 106.95 | € (A) 109.95 | sFr 143.50
► € 99.95 | £90.00
ISBN 978-1-4614-0516-0

2012. XIII, 573 p. 15 illus. Softcover

► € (D) 42.75 | € (A) 43.95 | sFr 53.50
► € 39.95 | £35.99

2012. XXX, 1350 p. 400 illus. Hardcover

► € (D) 160.45 | € (A) 164.94 | sFr 215.00
► € 149.95 | £135.00

Available
Interventions in Pulmonary Medicine

Contents

Fields of interest
Pneumology/Respiratory System; Oncology; Surgery

Target groups
Professional/practitioner

Product category
Contributed volume

Manual of Neonatal Respiratory Care

Contents

Fields of interest
Pediatrics; Pneumology/Respiratory System; Intensive / Critical Care Medicine

Target groups
Professional/practitioner

Product category
Professional book

Ultrasongraphy of the Pancreas

Contents

Features
This volume presents a complete overview and precise description of recent developments in the array of different ultrasound methods for the study of the pancreas New techniques are presented New techniques are discussed

Fields of interest
Diagnostic Radiology; Ultrasound; Gastroenterology

Target groups
Professional/practitioner

Product category
Contributed volume
Manual of Fast Track Recovery for Colorectal Surgery

Manual of Fast Track Recovery for Colorectal Surgery provides a broad overview on enhanced recovery, with expert opinions from leaders in the field regarding elements of enhanced recovery care that are generic and specific to colorectal surgery. This book covers the patient journey through such a programme, commencing with optimisation of the patient’s condition, patient education and conditioning of their expectations.

**Features**
- Provides an overview of the main elements of fast track recovery.
- Evidence of fast track on patient recovery and quality of life as well as the current research and trials for the future of this mood of recovery.
- Discuss troubleshooting with this approach and how to get started with a new programme.

**Contents**

**Fields of interest**
Colorectal Surgery; Surgery; Oncology

**Target groups**
Professional/practitioner

**Product category**
Professional book

P. Gottarelli

**Modified Inferior Turbinoplasty**

**A new surgical approach**

Humans can resist 40 days without eating and 4 days without drinking, but only 4 minutes without breathing: this tells us much about its fundamental importance. Breathed air is slowed down, filtered, warmed and humidified by the nose; many mechanisms are involved in this act, which prevent bronchial tubes and pulmonary alveolus from receiving an excessive and sudden air load. It is well known, on the other hand, that breathing through the mouth causes a lot of problems: inflammatory diseases of the upper airways, sleep apnea syndrome, but also, in some cases, bronchial, pulmonary and even cardiac disorders, that are more easily affecting patients not able to breathe correctly through the nose. For this reason, restoring an efficient nasal function is a very important - and in some cases crucial - issue.

**Features**
- Presents in detail an effective operative technique for inferior turbinate hypertrophy
- Will help to solve a knotty problem in nasal surgery
- Explains the clear advantages over current procedures, including avoidance of relapse

**Contents**

**Fields of interest**
Otorhinolaryngology; Plastic Surgery; Head and Neck Surgery

**Target groups**
Professional/practitioner

**Product category**
Professional book

S. Goundrey-Smith, SGS PharmaSolutions, Chedworth, Gloucestershire, UK

**Principles of Electronic Prescribing**

Over the next few years, the Connecting for Health IT programme for the NHS in England is due to implement electronic prescribing systems at all hospitals in England. Furthermore, the other UK countries are likely to follow suit with clinical IT implementation programmes, and these developments will generate interest in electronic prescribing at European and international level. There is therefore likely to be an exponential growth in the significance of electronic prescribing over the next ten years.

**Features**
- Updated publication solely devoted to electronic medicines management in the secondary care setting
- Describes the design and benefits issues with electronic medicines management
- Discusses these issues in the broader context of the law, ethics and professional practices of the healthcare system

**Contents**

**Fields of interest**
Health Informatics; Medicine/Public Health, general; Public Health/Gesundheitswesen

**Target groups**
Professional/practitioner

**Product category**
Professional book
**Technology Enabled Knowledge Translation for eHealth**

**Principles and Practice**

Rapid progress in health research has led to generation of new knowledge and innovative practices in management of illness. This has resulted in a significant challenge for health professionals: if today we discovered a new therapy through research, when will this discovery be regularly prescribed or utilized to treat all patients suffering from this condition? Knowledge translation is the non-linear and often complicated process of translating knowledge into routine health practices. Technology enabled knowledge translation (TEKT) is the use of information and communication technologies (ICT) to accelerate knowledge translation. With the ubiquity of the internet, the proliferation of different approaches in communication and social networking, and the continuously improving technologies from netbooks to smartphones, there are rich opportunities for TEKT in health education, service delivery, and research.

**Features**

- Covers electronic health records, personal health records, telehealth, and other data repositories
- Includes over 30 examples of TEKT in action to demonstrate how ICT can improve service delivery, education, capacity building, and policy translation
- Looks at future research directions, and how TEKT can be the knowledge engine that propels ehealth forward

**Field of interest**

Health Informatics

**Target groups**

Professional/practitioner

**Product category**

Contributed volume

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**Handbook of Children with Special Health Care Needs**

**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
10. Tuberculosis: the special needs of children
11. Children with multiple sclerosis
12. Fetal Alcohol Spectrum Disorders
13. Newborn screening for congenital disorders in routine and research
14. Genetic and Metabolic Conditions
15. Development from Conception through Adolescence: Physiological and Psychosocial Factors Impacting Children with Special Health Care Needs
16. Using Population-Based Survey Data to Monitor the Health of Children and Youth with Special Health Care Needs and Disabilities
17. Secondary Conditions in Youth with Disabilities
18. Accessible Substance Abuse Prevention for all Children
19. Research Methods and Epide-
miology for Children with Special Health Care Needs
20. Addressing Bullying Among Students with Disabilities within a Multi-Tier Educational Environment

**Features**

- Provides examples and step-by-step instructions
- Comprehensive in scope
- Provides a clear overview of the basics

**Fields of interest**

Orthopedics; Surgical Orthopedics; Conservative Orthopedics

**Target groups**

Professional/practitioner

**Product category**

Monograph

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**Clinical Examination in Orthopedics**

This book has been written step wise by enumerating various aspects of the importance of clinical examination derived by laying one's hands on the affected part. By a thorough clinical examination, it can help an individual to arrive at a tentative differential diagnosis of the condition and hence help in investigating the same by numerous tests which are relevant to the given condition. The manner in which a given case is handled in this way is far more important than the diagnosis of the condition and this feature comes with practicing the same many times. It is a must for anyone embarking in life on Orthopedics as a career.

**Features**

- Provides examples and step-by-step instructions
- Comprehensive in scope
- Provides a clear overview of the basics

**Fields of interest**

Orthopedics; Surgical Orthopedics; Conservative Orthopedics

**Target groups**

Professional/practitioner

**Product category**

Monograph

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K. M. Iyer, Bangalore University, India

**Available**

2012. XIV, 440 p. 89 illus., 43 in color. (Healthcare Delivery in the Information Age) Hardcover

- * € (D) 160,45 | € (A) 164,94 | sFr 200,00
- € 149,95 | £135.00
ISBN 978-1-4614-2334-8

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K. Ho, S. Jarvis-Seling, H. Novak Lauscher, J. Cordeiro, University of British Columbia, BC, Canada; R. Scott, University of Calgary, AB, Canada (Eds)

**Available**

2012. XXVII, 430 p. 25 illus. Hardcover

- * € (D) 266,43 | € (A) 273,90 | sFr 331,50
- € 249,00 | £224.50

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

**Available**

2012. XIV, 440 p. 89 illus., 43 in color. (Healthcare Delivery in the Information Age) Hardcover

- * € (D) 160,45 | € (A) 164,94 | sFr 200,00
- € 149,95 | £135.00
ISBN 978-1-4614-2334-8

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D. Hollar, University of North Carolina, Chapel Hill, NC, USA (Ed)
Differential Diagnosis for the Dermatologist

When faced with a challenging dermatologic problem, physicians are often required to perform a time-consuming search through large dermatologic texts in order to find information that will assist in the necessary differential diagnosis. This comprehensive and concise handbook is designed to simplify this process dramatically, permitting rapid identification of the correct diagnosis. Hundreds of dermatologic diagnoses, morphologic features, drug-induced disorders, extracutaneous manifestations, histologic findings, and random other findings are listed in alphabetical order and in a homogeneous, reader-friendly structure. The differential diagnoses are shown under each main diagnosis, sorted according to similarity with that diagnosis. Since the first edition, approaching 50 new diagnoses have been added, and many new images included.

Features
► Ideal aid to differential diagnosis ► Comprehensive list of dermatologic diagnoses, morphologic features, drug-induced disorders, extracutaneous manifestations, and histologic findings ► Differential diagnostic possibilities ordered by similarity to the main diagnosis ► Includes many new diagnoses and images ► Provides a quick list of treatment options for each diagnosis

Contents
The Chief Complaint.- The Past Medical History, Social History, and Review of Systems.- The Physical Exam.- The Biopsy.- The Laboratory Results.- The Diagnosis.- Quick Glossary.

Fields of interest
Dermatology; Internal Medicine; General Practice / Family Medicine

Target groups
Professional/practitioner

Product category
Handbook

Handbook of Parathyroid Diseases
A Case-Based Practical Guide

Features
► Of value clinically and in both teaching and research ► Written to appeal to both scientists and medical graduates ► Content is relevant to practitioners across medical disciplines

Contents

Fields of interest
Internal Medicine; Endocrinology; Surgery

Target groups
Professional/practitioner

Product category
Contributed volume

Radionuclide Imaging of Infection and Inflammation
A Pictorial Case-Based Atlas

Contents

Fields of interest
Nuclear Medicine; Imaging / Radiology; Infectious Diseases

Target groups
Professional/practitioner

Product category
Contributed volume
**Women, Motherhood and Living with HIV/AIDS**

A Cross-Cultural Perspective

Contents


**Fields of interest**

Public Health/Gesundheitswesen; Quality of Life Research; Cross Cultural Psychology

**Target groups**

Research

**Product category**

Contributed volume

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**Diseases of the Parathyroid Glands**

**Features**

- Provides a state-of-the-art updated reference for optimal medical and surgical management of patients with diseases of the parathyroid glands
- Distills the efforts of various specialists, namely internists, endocrinologists, nephrologists, physiologists, geneticists, general surgeons, otolaryngologists, and pathologists
- This is an easy to read, easy to carry, reference that is easy to search

**Contents**


**Fields of interest**

Endocrinology; Nephrology; Head and Neck Surgery

**Target groups**

Professional/practitioner

**Product category**

Monograph

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**Therapeutic Hypothermia After Cardiac Arrest**

Clinical Application and Management

Therapeutic hypothermia has emerged as a very important treatment option for patients with cardiac arrest as it provides significant protection from developing neurologic injury once the patient has been successfully resuscitated. Studies have demonstrated over 15% absolute risk reduction in death and neurologic injury using this therapy.

**Fields of interest**

Cardiology; Emergency Medicine; Intensive / Critical Care Medicine

**Target groups**

Professional/practitioner

**Product category**

Contributed volume

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2013. Approx. 275 p. Hardcover

- **€ (D) 106,95 | £ (A) 109,95 | sFr 133,50**
- **€ 99,95 | £90.00**


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Available

2012. XV, 389 p. 123 illus., 72 in color. Hardcover

- **€ (D) 149,73 | £ (A) 153,94 | sFr 186,50**
- **€ 139,95 | £126.00**

ISBN 978-1-4419-5549-4

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Available

2012. XVI, 122 p. 27 illus., 18 in color. Hardcover

- **€ (D) 106,95 | £ (A) 109,95 | sFr 133,50**
- **€ 99,95 | £90.00**


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**Due March 2013**

2013. Approx. 275 p. Hardcover
Cardiac Arrhythmias and Mapping Techniques

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

Features
- The complete electrocardiography reference work in clinician friendly volumes
- Takes the reader from research and the laboratory bench through to the management of patients at the bedside
- All current available knowledge on the application, uses and value of the ECG

Field of interest
Cardiology

Target groups
Professional/practitioner

Product category
Professional book

Redo Cardiac Surgery in Adults

Contents

Fields of interest
Cardiac Surgery; Thoracic Surgery; Surgery

Available
2012. XII, 346 p. Softcover
► € (D) 64.15 | € (A) 65.95 | sFr 86.00
► € 59.95 | £53.99
ISBN 978-0-85729-876-8

Imaging for Pediatricians

100 Key Cases

The book, written by expert pediatricians and radiologists, is divided into ten chapters covering neurology, cardiology, neonatology, interventional radiology, the abdomen, the musculoskeletal system, the thorax, the genitourinary system, the fetus, and emergencies. Each chapter comprises ten cases that are presented in a standard way. After discussion of the disorder in question, four representative images are displayed and described with special attention to distinctive features. In addition, informative key references are provided, including a book or book chapter, a web link, and ten recent articles.

Features
- Ideal introduction to pediatric diagnostic imaging
- Presents 100 pediatric radiology cases with clinical correlation
- Includes 400 representative images
- Provides bibliographic recommendations including books, web links, and recent articles

Fields of interest
Imaging / Radiology; Pediatrics; Diagnostic Radiology

Target groups
Professional/practitioner

Product category
Professional book

Available
2012. XXIII, 264 p. 400 illus., 105 in color. (Imaging for Clinicians, Volume 1) Softcover
► € (D) 149.75 | € (A) 153.94 | sFr 186.50
► € 139.95 | £126.00
ISBN 978-3-642-28628-5
Frozen Section Library: Breast

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

**Common Problems in Acute Care Surgery**

Contents

- The Careful Art of Resuscitation
- The Evaluation of the Acute Abdomen
- Perioperative Considerations for Surgical Emergencies
- Damage Control Laparotomy in Surgical Sepsis
- Surgical Procedures in the Intensive Care Unit
- Early Management of Sepsis, Severe Sepsis, and Septic Shock in the Surgical Patient
- Multiple Organ Failure
- Acute Lung Injury in the Acute Care Surgery Patient
- Nutrition in the Surgical Patient
- Acute Renal Insufficiency (Failure)
- Surgical Site Infections
- Hemorrhage and Transfusions in the Surgical Patient
- Obtaining a Surgical Airway
- Esophageal Perforation
- Hemothorax, Pneumothorax, and Empyema
- Incarcerated Paraesophageal Hernia
- Peptic Ulcer Disease for the Acute Care Surgeon
- Gastric Outlet Obstruction
- Upper Gastrointestinal Bleeding
- Acute Biliary Disease
- Bile Duct Injury
- Liver Abscesses
- Acute Pancreatitis
- Small Bowel Obstruction
- Acute Appendicitis
- Diverticulitis
- Acute Mesenteric Ischemia
- Acute Colonic Obstruction
- Lower Gastrointestinal Bleeding
- Sigmoid and Cecal Volvulus
- Anorectal Emergencies
- Complications of Laparoscopic Surgery
- Metabolic and Anatomic Complications Following Bariatric Surgery
- Abdominal Wall Hernias
- The Open Abdomen
- Abdominal Compartment Syndrome
- Necrotizing Soft Tissue Infections
- Extremity Compartment Syndromes
- Palliative Care in the Acute Care Surgery Setting
- Common Ethical Problems in Acute Care Surgery
- Advanced Directives
- Review of EMTALA laws

**Field of interest**

Pathology

**Target groups**

Professional/practitioner

**Product category**

Professional book

Available

2012. XI, 112 p. 125 illus., 116 in color. (Frozen Section Library, Volume 9) Softcover

- € (D) 106,95 / € (A) 109,95 / sFr 133,50
- € 99,95 / £ 90.00

ISBN 978-1-4614-0717-1

Due March 2013

2013. XXII, 920 p. 160 illus., 85 in color. Hardcover

- € (D) 149,75 / € (A) 153,94 / sFr 186,50
- € 139,95 / £ 126.00


Available

2012. XXIII, 703 p. 139 illus., 103 in color. Hardcover

- € (D) 192,55 / € (A) 197,94 / sFr 240,00
- € 179,95 / £ 162.00


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**Practical Manual of In Vitro Fertilization**

**Advanced Methods and Novel Devices**

Contents

- Journey of Human Gametes In Vitro: 1978 to 2010
- Building the Laboratory
- Air Quality Management
- Organizational Aspects of the Laboratory in a Tertiary Care ART Center
- Quality Control Management
- Daily, Weekly, and Regular Preparations for the IVF Laboratory
- Risk and Safety in the IVF Clinic
- Essential Instruments and Disposable Supplies for an IVF Laboratory
- Co2 and Low-O2 Incubators
- IVF Workstations
- Culture Media in IVF
- Decisions for the Laboratory
- Oocyte Denuding
- Assessment of Oocyte Quality
- Polarization Microscopy
- Cumulus Cell Gene Expression in Assessment of Oocyte Quality
- 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
- Sperm Assessment: Traditional Approaches and Their Indicative Value
- Sperm Assessment: Novel Approaches and Their Indicative Value
- Sperm Processing for IVF
- PESA/TESE/TESE Sperm Processing
- Processing Sperm Samples in HIV-Positive Patients
- Intracytoplasmic Morphologically Selected Sperm Injection
- Sperm Testing and ICSI Selection by Hyaluronic Acid Binding
- Hyaluronic Acid-Coated Glass Slide and Petri Dish in the Andrology and IVF Laboratories
- Electrophoretic Sperm Separation
- Magnetic Activated Cell Sorting of Human Spermatozoa

**Field of interest**

Endocrinology; Urology/Andrology; Developmental Biology

**Target groups**

Professional/practitioner

**Product category**

 Contributed volume
**Generalized Dermatitis in Clinical Practice**

This practical clinical reference will concentrate on the diagnosis and management of dermatitis. Diagnosis and management of the many contributing factors will be discussed.

**Features**
- Reviews the diagnosis of all types of dermatitis including algorithms for use of skin prick, conventional, and atopy patch tests
- Provides practical tips on obtaining environmental history including use of pantomime to understand relationship between exposure and distribution of dermatitis
- Details indications for referral to specialists such as haematology/oncology
- Defines a dermatitis strategy not based on gross classification alone

**Contents**
- Section I: Common examples.
  - 1. Auto-eczematization from stasis dermatitis.
  - 2. Systemic contact dermatitis.
  - 3. Protein contact dermatitis and food pollen syndromes.
  - 4. Atopic dermatitis as a model for protein contact dermatitis.
  - 5. Sensitization to food via initial exposure on inflamed perioral skin instead of.
- Section II: Less common examples.
  - 1. Erythema multiforme complicating contact dermatitis.
  - 2. Hyperesinophilic syndrome.
  - 3. Eczematous drug eruption.
- Section III: Mimes in Differential Diagnosis.
  - 1. Bullous pemphigoid.
  - 2. Scabies.
  - 3. Widespread allergic contact dermatitis

**Field of interest**
Dermatology

**Target groups**
Professional/practitioner

**Product category**
Handbook

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**Fundamentals of Biomechanics**

This practical clinical reference will concentrate on the diagnosis and management of dermatitis. Diagnosis and management of the many contributing factors will be discussed.

**Features**
- Reviews the diagnosis of all types of dermatitis including algorithms for use of skin prick, conventional, and atopy patch tests
- Provides practical tips on obtaining environmental history including use of pantomime to understand relationship between exposure and distribution of dermatitis
- Details indications for referral to specialists such as haematology/oncology
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**Field of interest**
Dermatology

**Target groups**
Professional/practitioner

**Product category**
Handbook

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**Imaging and Technology in Urology**

**Principles and Clinical Applications**

**Contents**
  - Principles of X-ray Production and Radiation Protection.
  - How to Perform a Clinical Radiograph and Use a C-arm.
  - Contrast agents.
  - How to do an IVU.
  - Dual Energy X-Ray Absorptiometry (DXA).
  - The physics of ultrasound.
  - How to Ultrasound a Suspected Renal Mass.
  - How to Ultrasound a Painful Testis and a Testicular Mass.
  - How to Perform a Trans-Rectal Ultrasound Scan and Prostate Biopsy.
  - How to Manage a Hydroureteric Kidney.
- Principles of Computed Tomography (CT).
- How to do a CT Urogram (CTU).
- How to do a CT in a Patient with Presumed Upper Tract Trauma.
- Principles of Magnetic Resonance Imaging (MRI).
- How to do an MRI of the Pelvis.
- Magnetic Resonance Angiography (MRA).
- Vascular Embolization Techniques in Urology.
- Part 2 – Imaging: Nuclear Medicine.
  - Radionuclides and their Uses in Urology.
  - Counting and Imaging in Nuclear Medicine.
  - Principles of Positron Emission Tomography (PET) Scanning.
  - How to do a Renogram.
  - How to do a Diuresis Renogram.
  - How to do a DMSA Scan.
  - How to do a Radioisotope Glomerular Filtration Rate Study.
  - How to do a Bone Scan.
  - How to do a Transplant Renogram.
  - Dynamic Sentinel Lymph Node Biopsy in Penile Cancer.
- Part 3 – Technology: Diagnostic.
  - Urinalysis.
  - Principles of Urine Microscopy and Microbiological Culture.
  - Measurement of Glomerular Filtration Rate (GFR).
  - Metabolic Assessment of Urinary Tract Stones.
  - Principles of Pressure Measurement.
- How to Carry Out a Videocystometrogram (VCMG).
- The Whitaker test.

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

**Target groups**
Professional/practitioner

**Product category**
Contributed volume
Rheumatology of the Lower Limbs in Clinical Practice

Rheumatology of the Lower Limbs in Clinical Practice is a comprehensive and easy-to-use training tool for practitioners to refine their strategy for clinical investigation and differential diagnosis in regional syndromes of the lower back, hip, knee, foot and ankle. It combines instructive sections, providing anatomical information and various causes of particular symptoms. Case studies recreate the clinical setting by presenting the details of the case and giving an opportunity for the reader to make a diagnosis.

Features
- Uses an evidence-based approach with emphasis on diagnostic skills. This provides the trainee with the skills and diagnostic tools needed to cope with any clinical problem he or she is likely to encounter. Both editors are internationally known and respected. This gives the book credibility amongst its intended audience and more likely to be adopted at institutions and on reading lists particularly in Europe.
- Use of question and answer format and consistently challenging questions throughout the text. This encourages the reader to learn and reinforces the basic principles of diagnostic skills.
- Full colour illustrations in clinical examination and highlighted and boxed key points. Makes the text more reader friendly, encourages the retention of principles and key points in diagnosis and treatment.

Contents

Field of interest
- Rheumatology

Target groups
- Professional/practitioner

Product category
- Monograph

Available
- 2012. VIII, 179 p. 100 illus., 66 in color. Softcover
  - € (D) 48,10 | € (A) 49,45 | sFr 60,00
  - € 44,95 | £40.99
  - ISBN 978-1-4471-2252-4

Rheumatology of the Upper Limbs in Clinical Practice

Rheumatology of the Upper Limbs in Clinical Practice is a comprehensive and easy-to-use training tool for practitioners to refine their strategy for clinical investigation and differential diagnosis in regional syndromes of the shoulder, elbow, forearm, wrist and hand. It combines instructive sections, providing anatomical information and various causes of particular symptoms. Case studies recreate the clinical setting by presenting the details of the case and giving an opportunity for the reader to make a diagnosis.

Features
- Uses an evidence-based approach with emphasis on diagnostic skills. This provides the trainee with the skills and diagnostic tools needed to cope with any clinical problem he or she is likely to encounter. Both editors are internationally known and respected. This gives the book credibility amongst its intended audience and more likely to be adopted at institutions and on reading lists particularly in Europe.
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Contents

Field of interest
- Rheumatology

Target groups
- Professional/practitioner

Product category
- Monograph

Available
- 2012. VII, 142 p. 78 illus., 67 in color. Softcover
  - € (D) 48,10 | € (A) 49,45 | sFr 60,00
  - € 44,95 | £40.99
  - ISBN 978-1-4471-2241-8

Handbook of Anthropometry

Handbook of Anthropometry Physical Measures of Human Form in Health and Disease

Although its underlying concept is a relatively simple one—the measurement of the human body and its parts—anthropometry employs a myriad of methods and instruments, and is useful for a variety of purposes, from understanding the impact of disease on individuals to tracking changes in populations over time. The first interdisciplinary reference on the subject, the Handbook of Anthropometry brings this wide-ranging field together: basic theory and highly specialized topics in normal and abnormal anthropometry in terms of health, disease prevention, and intervention. Over 140 self-contained chapters cover up-to-date indices, the latest studies on computerized methods, shape-capturing systems, and bioelectrical impedance, data concerning single tissues and whole-body variables, and reports from different areas of the world. Chapters feature helpful charts and illustrations, cross-references to related chapters are included, and key points are presented in bullet form for ease of comprehension. Together, the Handbook’s thirteen sections entail all major aspects of anthropometrical practice and research, including: Tools and techniques.

Features
- Authors are national and international experts from leading institutions.
- Experienced editor from one of the foremost health divisions and hospitals in the UK.
- Each chapter includes applications to other areas of health and disease; practical methods and techniques, summary points, and/or key features.
- Everything you need to know about normal and abnormal anthropometry in health and disease.

Fields of interest
- Health Informatics; Maternal and Child Health; Health Promotion and Disease Prevention

Target groups
- Research

Product category
- Handbook

Available
- 2012. L, 3107 p. Hardcover
  - € (D) 854,93 | € (A) 878,90 | sFr 1064,00
  - € 799,00 | £719.50
  - ISBN 978-1-4419-1787-4
Errors in Radiology

Diagnostic errors are important in all branches of medicine because they are an indication of poor patient care. As the number of malpractice cases continues to grow, radiologists will become increasingly involved in litigation. The aetiology of radiological error is multi-factorial. This book focuses on (1) some medico-legal aspects inherent to radiology (radiation exposure related to imaging procedures and malpractice issues related to contrast media administration are discussed in detail) and on (2) the spectrum of diagnostic errors in radiology. Communication issues between the radiologists and physicians and between the radiologists and patients are also presented. Every radiologist should understand the sources of error in diagnostic radiology as well as the elements of negligence that form the basis of malpractice litigation.

Features
- The main reason for studying medical errors is to try to prevent them
- A radiology safety culture will only exist when the radiologist who made the error views such feedback positively as a learning experience
- Identification and reduction of diagnostic error provides a measure of the efficacy of the healthcare system, as it reduces mortality, morbidity and additional healthcare costs

Fields of interest
Medicine/Public Health, general; Forensic Medicine; Imaging / Radiology

Target groups
Professional/practitioner

Product category
Contributed volume

Exercise Cardiopulmonary Function in Cardiac Patients

The textbook will describe the relationship between human cardiopulmonary system and exercise in a format that is related to the mode of exercise, health status and aging. It will include data regarding exercise training principles and the adaptations of the cardiopulmonary following: anaerobic, resistance and aerobic training. A more in-depth presentation of the cardiopulmonary system adaptations in pressing environments such as: warm, cold and altitude. Therefore, students will experience a depth and extent of content balanced with unique and effective learning features: It will help students find the way by both the text and subject matter. Knowing cardiopulmonary exercise function in health and disease will allow understand new research and findings relevant to cardiovascular status as assessed by cardiopulmonary exercise indices.

Features
- There is no such a book in the market
- It includes changes of cardiac indices during exercise such P/V, ESV, EDV, EF etc
- It will contain changes in cardiovascular variables by exercise mode
- The book will explain and interpreter cardiac measurements

Contents
1. Exercise physiology
2. Pulmonary function
3. Cardiac output
4. Cardiac output redistribution
5. Left ventricular function
6. Blood pressure and hypertension
7. Metabolic cardiovascular risk factors
8. Cardiopulmonary function in elderly
9. Exercise and sudden death
10. Cardiac rehabilitation

Field of interest
Cardiology

Target groups
Professional/practitioner

Product category
Monograph
A. Saxena, Palo Alto Medical Foundation, Palo Alto, CA, USA (Ed)

Principles of Oocyte and Embryo Donation

Contents
T. Scarabino (Ed)
Imaging Gliomas After Treatment
A Case-based Atlas

This atlas is a detailed guide to the imaging appearances of gliomas following treatment with neurosurgery, radiation therapy, and chemotherapy. Normal and pathological findings are displayed in detailed MR images that illustrate the potential modifications due to treatment. Particular emphasis is placed on characteristic appearances on the newer functional MR imaging techniques, including MR spectroscopy, diffusion-weighted imaging, and perfusion imaging.

Features
► First atlas devoted to the imaging appearances of gliomas following treatment
► Special attention to the role of the newer functional MR imaging techniques
► Includes 40 clinical cases with more than 500 illustrations, making the book an invaluable resource for everyday practice and research

Contents

Fields of interest
Neuroradiology; Diagnostic Radiology; Radiotherapy

Target groups
Professional/practitioner

Product category
Atlas

Available
2012. 216 p. 600 illus., 50 in color. Hardcover
► € (D) 106,95 | € (A) 109,95 | sFr 133,50
► € 99,95 | £90.00

J. Schüttler, Universitätsklinikum Erlangen-Nürnberg, Erlangen, Germany (Ed)
50th Anniversary of the German Society for Anaesthesiology and Intensive Care Medicine

This book presents to all those who are interested in the history of Anaesthesiology historical details and information on the development of anaesthesiology in Germany and the remarkable growth of our Society. At the founding session of the German Society of Anaesthesia in Munich on 10 April 1953 42 persons had signed the founding documents. Today about 12,000 anaesthetists are members of the German Society of Anaesthesiology and Intensive Care Medicine, making the DGAI the biggest national society within ESA. Well known are the pioneering contributions of German scientists and surgeons to the development of general, regional and local anaesthesia during the 19th and the beginning of the 20th centuries. But less known outside Germany are the reasons for the delayed evolution of anaesthesiology as a specialty of its own in German medicine, far later than in the UK, Scandinavia or the USA. In this book you will find answers to this question and detailed information on the successful evolution of anaesthesiology especially at the Faculties of Medicine at German universities.

Fields of interest
Anaesthesiology; Intensive / Critical Care Medicine

Target groups
Professional/practitioner

Product category
Monograph

Available
► € (D) 149,75 | € (A) 153,94 | sFr 186,50
► € 139,95 | £126.00
ISBN 978-3-540-24257-4

G. R. Scuderi, Insall Scott Kelly Institute for Orthopaedics and Sports Medicine, New York, NY, USA; A. J. Tria, Robert Wood Johnson Medical School, Piscataway, NJ, USA (Eds)
Minimally Invasive Surgery in Orthopedics
Foot and Ankle Handbook

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

Features
► Contains valuable chapters from Minimally Invasive Surgery in Orthopedics at a newly affordable price
► Fully illustrated
► Focused specifically on the foot and ankle

Fields of interest
Orthopedics; Surgical Orthopedics

Target groups
Professional/practitioner

Product category
Contributed volume

Available
2012. IX, 227 p. 221 illus. Softcover
► € (D) 64,15 | € (A) 65,95 | sFr 86,00
► € 59,95 | £53.99
External Fixation in Orthopedic Traumatology

External fixation in Orthopedic traumatology is a textbook that focuses on the use of external fixation in the acute management of patients with serious orthopedic injuries.

Features
- External fixation in Orthopedic traumatology is the only textbook on the market that addresses the specific issue of external fixation in the acute setting as a whole. Other textbooks have explored the issue but either focusing on lengthening techniques (Ilizarov), focusing on one body part (pelvis), or focusing on one external fixation brand (Orthofix) - The editors have a life long expertise in the field of external fixation, one of them (DS) having contributed to their designs. The editors and authors have a rich variety of backgrounds with experience in the military, application of these techniques in economically disadvantaged areas and training in different part of the world including the USA, Europe and the Asian continent giving a flavour of universality to this textbook - The textbook contains drawings, illustrations and clinical photographs detailing surgical techniques and various types of external fixation constructs enabling the reader to rapidly visualise and understand the concepts described - The authors involved have an international reputation in their area of expertise (Pape and Giannoudis in ‘Damage control orthopedics’) - Detailed chapter on biomechanics of external fixation which is a concept lacking in the literature

Fields of interest
Orthopedics; Conservative Orthopedics; Surgical Orthopedics

Target groups
Professional/practitioner

Product category
Contributed volume

Sleep Loss and Obesity

Sleep Loss and Obesity: Intersecting Epidemics represents a major contribution to the field of sleep medicine.

Features
- Comprehensive, first-of-its-kind text that outlines the social and medical cost ramifications of sleep loss and obesity - Written by interdisciplinary team of experts - Invaluable for physicians, neuroscientists, administrators, and policy makers

Contents
Circadian Clock Genes and the Regulation of Sleep - Clock Genes and Energy Metabolism - Neural Circuitry Underlying Sleep and Waking - Feeding as a Reward Mechanism - Plasticity of Brain Feeding Circuits in Response to Food - The Neurogenetics of Energy Balance - Short Sleep and Obesity in Children - Circadian Misalignment and Sleep Disruption in Shift Work - Implications for Fatigue and Risk of Weight Gain and Obesity - Sleep Apnea and Obesity - The Connection Between Sleep Loss and Obesity - Sleep Disturbances: Impact on Risk and Severity of Diabetes - Insufficient Sleep and Cardiovascular Disease - Clinical Guidelines for the Evaluation of Adults with Obstructive Sleep Apnea - Pharmacological Treatment of Obesity - Bariatric Surgery for Treatment of Obesity

Fields of interest
Neurology; Endocrinology; Pneumology/Respiratory Medicine

Target groups
Professional/practitioner

Product category
Contributed volume

Atlas of Pediatric Cutaneous Biodiversity

Comparative Dermatologic Atlas of Pediatric Skin of All Colors

This book provides a brief pictorial atlas highlighting the variations of appearance of skin, hair, and nails, both in the natural state for children of all colors, and the appearance when affected by skin disease. The atlas includes five ethnic groupings: Caucasian African, Afro-caribbean, and African American, Asian, Asian Hispanic and Latino, Indian and Middle Eastern (Arab) Each group is assessed for known or clinically relevant skin differences using clinical photographs, basic microscopy, and dermoscopy.

Features
- First book of its kind – an atlas of pediatric dermatology and a comparative guide to pediatric skin of all colors - Covers normal skin and skin in disease states - Superbly illustrated - Comprehensive coverage of pediatric skin diseases

Contents

Fields of interest
Dermatology; Pediatrics; General Practice / Family Medicine

Target groups
Professional/practitioner

Product category
Contributed volume
Physicians’ Pathways to Non-Traditional Careers and Leadership Opportunities

Contents
Atlas of Dermatological Manifestations of Gastrointestinal Disease

Contents