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July - December 2024  
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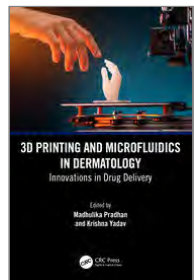
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## 3D Printing and Microfluidics in Dermatology

Innovations in Drug Delivery



Edited by **Madhulika Pradhan, Krishna Yadav**

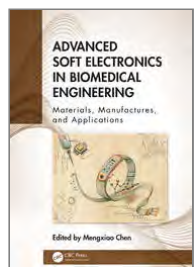
3D Printing and Microfluidics in Dermatology provides thorough exploration and applications of 3D printing and microfluidics within the field of dermatology. It investigates various methods utilized in these fields, such as 3D bio-printing, nano-transporters, microscopic fabrication, and device development. The book not only examines practical applications but also delves into the design principles crucial for implementing these techniques using specific materials tailored to their intended purposes. This book targets graduate students and researchers in fields such as 3D printing, dermatology, drug delivery, bioengineering, and pharmaceutical sciences.

CRC Press  
October 2024:408  
Hb: 978-1-032-63409-8: £155

\* For full contents and more information, visit: [www.routledge.com/9781032634098](http://www.routledge.com/9781032634098)

## Advanced Soft Electronics in Biomedical Engineering

Materials, Manufactures, and Applications



Edited by **Mengxiao Chen**

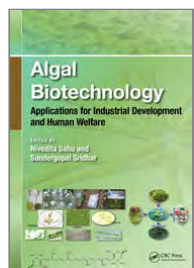
The book presents the latest advances in soft electronics in biomedical engineering and its potential applications in various biomedical fields. The contributors provide comprehensive coverage of how soft electronics are used in diagnostics and monitoring, medical therapy, neural engineering, and wearable and implantable systems. In particular, some emerging research areas such as advanced soft robotics, fiber sensing technologies, and power optimization strategies are explored. The book will benefit researchers, engineers, and advanced students in biomedical engineering, electrical and computer engineering, and materials science.

CRC Press  
July 2024:272  
Hb: 978-1-032-79744-1: £110  
eBook: 978-1-003-49363-1

\* For full contents and more information, visit: [www.routledge.com/9781032797441](http://www.routledge.com/9781032797441)

## Algal Biotechnology

Applications for Industrial Development and Human Welfare



Edited by **Nivedita Sahu** CSIR-Indian Institute of Chemical Technology, Telangana, India, **S. Sridhar** CSIR-Indian Institute of Chemical Technology, Telangana, India

This book deals with an interdisciplinary approach towards present-day practical challenges and recent developments in algal biotechnology and covers broad spectrum of issues ranging from diverse algae and its applications in agriculture, human food, animal feed, wastewater treatment, industry, to algal metabolites. Major themes covered in this volume includes algae-based processes for the treatment of industrial effluents, algal biorefinery and industrial trends, and applications of algae in food, feed, nutraceuticals, and pharmaceuticals. This volume aims at graduate students and researchers in biotechnology, bioenergy, renewable energy, energy, fuel and petrochemicals, & wastewater.

CRC Press  
August 2024:438  
Hb: 978-1-032-11277-0: £130

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## Algal Biotechnology

Current Trends, Challenges and Future Prospects for a Sustainable Environment



Edited by **Nivedita Sahu** CSIR-Indian Institute of Chemical Technology, Telangana, India, **S. Sridhar** CSIR-Indian Institute of Chemical Technology, Telangana, India

This book initiates with a general introduction to microalgae and algal biotechnology with subsequent discussions on all the significant aspects of applied biotechnology, bio-remediation, nano applications, multidimensional usages of algae as a biofertilizer, and a source of bioactive compounds and phytochemicals. Major themes of the book include algae and the environment, bio-remediation using algae, algal-omics and applications and large scale bioprocesses for algal cultivation, its constraints and challenges. This volume is aimed at graduate students and researchers in biotechnology, bioenergy, renewable energy, energy, fuel and petrochemicals, and wastewater.

CRC Press  
August 2024:420  
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## Algal Biotechnology

Two Volume Set



Edited by **Nivedita Sahu** CSIR-Indian Institute of Chemical Technology, Telangana, India, **S. Sridhar** CSIR-Indian Institute of Chemical Technology, Telangana, India

This two-volume set gives out interdisciplinary expression at present-day practical challenges and recent developments in algal biotechnology with a focus on algal issues and its pertinent applications. It covers algae and the environment, algal-omics, bioremediation using algae, algal biorefinery and industrial trends, algae-based technology to treat industrial effluents and large-scale cultivation for algal bioprocesses. It explains algal biomass as a potential source of biofuel, biofertilizer, bioactive compounds and phytochemicals. This book is aimed at graduate students and researchers in biotechnology, bioenergy, renewable energy, energy, fuel and petrochemicals, wastewater.

CRC Press  
August 2024:782  
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\* For full contents and more information, visit: [www.routledge.com/9781032112732](http://www.routledge.com/9781032112732)

## Artificial Intelligence Technology in Healthcare

Security and Privacy Issues



Edited by **Neha Sharma** Chitkara University, India, **Durgesh Srivastava** Chitkara University, India, **Deepak Sinwar** Manipal University Jaipur, India

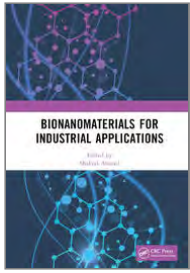
Series: *Advances in Smart Healthcare Technologies*

This book focusses on current issues with the patient's privacy and data security including data breaches in healthcare organizations, unauthorized access to patient's information, and medical identity theft. It explains recent breakthroughs and problems in deep learning security and privacy issues, emphasizing current state-of-the-art methods, methodologies, implementation, attacks, and countermeasures. It examines the issues related to develop AI-based security mechanisms which can gather or share data across healthcare applications securely and privately. This book is aimed at researchers and graduate students in bioengineering, artificial intelligence, and computer engineering.

CRC Press  
September 2024:392  
Hb: 978-1-032-42839-0: £140

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## Bionanomaterials for Industrial Applications



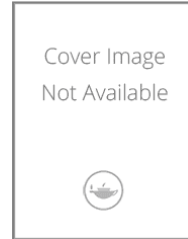
Edited by **Shakeel Ahmed**

This book is a comprehensive guide to the current state of bionanomaterials research and their prospective applications in a variety of industrial sectors. The book discusses the properties of bionanomaterials, types and their potential applications in various disciplines, such as biomedicine, food industry, environment, etc. It provides a comprehensive overview of the current state of bionanomaterials research and their potential applications, making it an indispensable resource for anyone interested in learning more about this dynamic and rapidly developing field. It is designed for researchers, scientists, engineers, and graduate students working in the field of bionanomaterials.

CRC Press  
September 2024:464  
Hb: 978-1-032-45877-9: £170

\* For full contents and more information, visit: [www.routledge.com/9781032458779](http://www.routledge.com/9781032458779)

## Evolution of Machine Learning and Internet of Things Applications in Biomedical Engineering



Cover Image  
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Edited by **Arun Kumar Rana** Galgotias College of Engineering and Technology, India, **Vishnu Sharma** ITS Engineering College, India, **Sanjeev Kumar Rana** Maharishi Markandeshwar (Deemed to be University), India, **Vijay Shanker Chaudhary** Galgotias College of Engineering and Technology, India

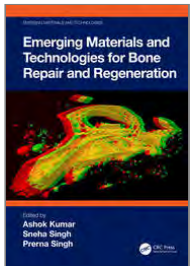
Series: *Emerging Trends in Biomedical Technologies and Health Informatics*

This book provides a platform for presenting machine learning-enabled healthcare techniques and offers a mathematical and conceptual background of the latest technology. It describes machine learning techniques along with the emerging platform of the Internet of Medical Things used by practitioners and researchers around the world. The book will be beneficial for new researchers and practitioners working in the biomedical and healthcare fields. It will also be suitable for a wide range of readers who may not be scientists but who are also interested in the practices of medical image retrieval, and brain image segmentation.

CRC Press  
October 2024:320  
Hb: 978-1-032-75923-4: £115

\* For full contents and more information, visit: [www.routledge.com/9781032759234](http://www.routledge.com/9781032759234)

## Emerging Materials and Technologies for Bone Repair and Regeneration



Edited by **Ashok Kumar** IIT Kanpur, India, **Sneha Singh** Birla Institute of Technology, Mesra, **Prerna Singh** IIT Kanpur, India

Series: *Emerging Materials and Technologies*

This book emphasizes on advancement in the field of bone repair and regeneration. It introduces bone development, repair and regeneration emphasizing the correlation of the processes including details about different biomaterials and technologies involved in the fabrication, characterization of bone related scaffolds and implants. The realm of nanotechnological intervention and folklore phytochemicals and their prospects in regenerating bone is explored including major bone related disease conditions, infection, and their tackling via tissue engineering strategies. This book is aimed at graduate students and researchers in biomedical and tissue engineering, and biomaterial sciences.

CRC Press  
August 2024:452  
Hb: 978-1-032-30927-9: £175

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## Federated Deep Learning for Healthcare

A Practical Guide with Challenges and Opportunities



Edited by **Amandeep Kaur** Chitkara University Institute of Engineering and Technology, Chitkara University, Punjab, India, **Chetna Kaushal** Chitkara University Institute of Engineering and Technology, Chitkara University, Punjab, India, **Md. Mehedi Hassan** Khulna University, Bangladesh, **Si Thu Aung** University at Buffalo, Buffalo, USA

Series: *Advances in Smart Healthcare Technologies*

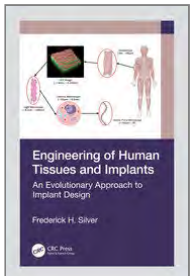
This book provides a practical guide to federated deep learning for healthcare including fundamental concepts, framework, and the applications comprising of domain adaptation, model distillation, and transfer learning. It covers concerns in model fairness, data bias, regulatory compliance, and ethical dilemmas. It investigates several privacy-preserving methods like homomorphic encryption, secure multi-party computation, and differential privacy. It will enable readers to build and implement federated learning systems that safeguard private medical information. It is aimed at graduate students and researchers in federated learning, data science, AI/machine learning, and healthcare.

CRC Press  
October 2024:312  
Hb: 978-1-032-68955-5: £110

\* For full contents and more information, visit: [www.routledge.com/9781032689555](http://www.routledge.com/9781032689555)

## Engineering of Human Tissues and Implants

An Evolutionary Approach to Implant Design



**Frederick H. Silver** Dept. of Pathology, Robert Wood Johnson Medical School, Rutgers the State University of New Jersey

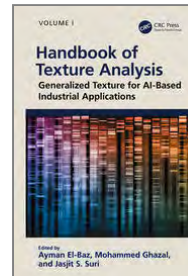
This book presents information on biological control systems, mechanotransduction, tissue structure, and function, and properties that can be integrated together to provide improved implant and device designs. This information is needed to develop new diagnostic tests and instruments that provide early diagnostic tests and treatments for diseases. It also introduces mechanotransduction as it relates to implant design with an overview of materials and their use in applications to treat wounds, burns, facial, hernial, ophthalmic, oral, cardiovascular, and tendon/ligaments.

CRC Press  
May 2024:216  
Hb: 978-1-032-39902-7: £115  
eBook: 978-1-003-35190-0

\* For full contents and more information, visit: [www.routledge.com/9781032399027](http://www.routledge.com/9781032399027)

## Handbook of Texture Analysis

Generalized Texture for AI-Based Industrial Applications



Edited by **Ayman El-Baz** University of Louisville, Kentucky, USA, **Mohammad Ghazal**, **Jasjit S. Suri** Global Biomedical Technologies, Inc., CA, USA

This book examines four major application domains related to texture analysis and their relationship to AI-based industrial applications: texture classification, texture segmentation, shape from texture, and texture synthesis. Aimed at researchers, academics, and advanced students in biomedical engineering, image analysis, cognitive science, and computer science and engineering, this is an essential reference for those looking to advance their understanding in this applied and emergent field.

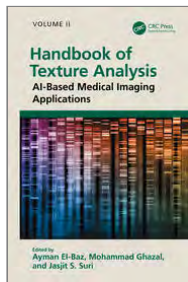
CRC Press  
June 2024:226  
Hb: 978-0-367-48344-9: £145  
eBook: 978-0-367-48609-9

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## Handbook of Texture Analysis

AI-Based Medical Imaging Applications



Edited by **Ayman El-Baz** University of Louisville, Kentucky, USA, **Mohammed Ghazal**, **Jasjit S. Suri** Global Biomedical Technologies, Inc., CA, USA

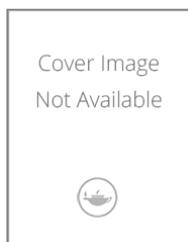
This volume presents important branches of texture analysis methods which find a proper application in AI-based medical image analysis. Aimed at researchers, academics, and advanced students in biomedical engineering, image analysis, cognitive science, and computer science and engineering, this is an essential reference for those looking to advance their understanding in this applied and emergent field. Standard Blurp:

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June 2024:270  
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eBook: 978-0-367-48608-2

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## Handbook of Texture Analysis, Two-Volume Set

Two-Volume Set



Edited by **Ayman El-Baz** University of Louisville, Kentucky, USA, **Mohammed Ghazal**, **Jasjit S. Suri** Global Biomedical Technologies, Inc., Roseville, USA

This two-volume handbook provides a comprehensive view of texture analysis in both AI-based industrial and medical imaging applications. Aimed at researchers, academics, and advanced students in biomedical engineering, image analysis, cognitive science, and computer science and engineering, this handbook is an essential reference for those looking to advance their understanding in this applied and emergent field.

CRC Press  
December 2026:520  
Pb: 978-1-032-72741-7: £240  
Hb: 978-0-367-48341-8: £240

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## Healthcare Services in the Metaverse

Game Theory, AI, IoT, and Blockchain



Edited by **Saurav Mallik** Harvard Univ., **Anjan Bandyopadhyay**, **Ruifeng Hu**, **Pawan Kumar Singh**, **Soumadip Ghosh**, **Sujata Swain**

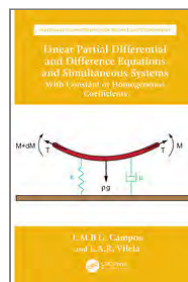
Series: *Emerging Trends in Biomedical Technologies and Health Informatics*

This book covers the application of game theory, IoT and metaverse related to biomedical and healthcare applications. The book bridges the gap between radiologists and Artificial Intelligence (AI)-driven automated systems by investigating various techniques with a game theoretic approach. The book is written to help individuals across the academia, research, and healthcare practitioners as well as for those who work in biomedical, healthcare, IoT, artificial intelligence, metaverse, virtual reality, blockchain and related technologies.

CRC Press  
May 2024:240  
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## Linear Partial Differential and Difference Equations and Simultaneous Systems with Constant or Homogeneous Coefficients



Luis Manuel Braga da Costa Campos University of Lisbon, Portugal, **Luís António Raio Vilela**

Series: *Mathematics and Physics for Science and Technology*

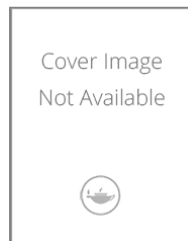
This presents six solution methods for linear partial differential equations (PDEs) with constant coefficients. The characteristic polynomial method is extended to five classes, including linear PDEs with homogeneous power coefficients, finite difference equations and simultaneous systems of both. Applications include solutions of the Laplace, heat, diffusion, telegraph, bar, and beam equations. The free and forced solutions are considered together with boundary, initial, asymptotic, starting, and other conditions. The book suits graduate students and engineers working with mathematical models and advanced technology and can be applied to the physical sciences and applied mathematics.

CRC Press  
June 2024:242  
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## Multifunctional Magnetic Nanoparticles in Therapy, Biology, and Pharmacy

Synthesis, Fundamentals and Applications



Edited by **Elyor Berdimurodov**, **Chaudhery Mustansar Hussain**, **Burak Tuzun**

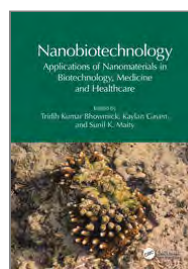
This definitive guide provides readers with a comprehensive overview of multifunctional nanoparticles, delving into their novel synthesis methods, unique properties, and diverse applications in therapy, biology, and pharmacy. The book explores established and emerging techniques for synthesizing magnetic nanoparticles, enabling readers to understand how to tailor nanoparticles with desired traits. This book is written primarily for scientists, researchers, and engineers working in the fields of nanotechnology, materials science, biomedical engineering, and pharmaceutical sciences.

CRC Press  
November 2024:392  
Hb: 978-1-032-71919-1: £140

\* For full contents and more information, visit: [www.routledge.com/9781032719191](http://www.routledge.com/9781032719191)

## Nanobiotechnology

Applications of Nanomaterials in Biotechnology, Medicine and Healthcare



Edited by **Tridib Kumar Bhowmick**, **Kaylan Gayen**, **Sunil K. Maity**

This book covers the topics related to drug delivery, biomaterials, drug design, formulation development, nanoscience, and nanotechnology. It describes the fundamental concepts in nanotechnology and their different applications in biotechnology to solve engineering challenges and generate new areas of technological development. This book will be useful for students, researchers, scientists, academicians, and industrial manufacturers to understand the importance and applicability of nanomaterials in the field of biotechnology and medical science.

CRC Press  
May 2024:356  
Hb: 978-1-032-30387-1: £125  
eBook: 978-1-003-30558-3

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## Nanobiotechnology for Sustainable Food Management



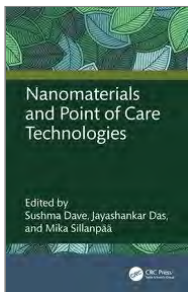
Edited by **Eduardo Alberto López-Maldonado** Universidad Autónoma de Baja California, Mexico, **Amber R. Solangi** University of Sindh, Pakistan, **Fabio Granados-Chinchilla** San Pedro Montes de Oca, Costa Rica

Among the most novel and ever-growing approaches to improving the food industry is nanobiotechnology. In this book, the prospective role of nanobiotechnology in food which includes quality control and safety through nanosensors and biosensors, targeted delivery of nutrients, controlled release of nutrients, proteins, antioxidants, and flavors through encapsulation and enzymatic reactions for food fortification of fat-soluble compounds is discussed. Along the chapters of this book, nanobiotechnological techniques are addressed in detail with specific emphasis on food science applications. This book is aimed at researchers and graduate students in nanotechnology, and food engineering.

CRC Press  
October 2024:440  
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## Nanomaterials and Point of Care Technologies



Edited by **Sushma Dave**, **Jayashankar Das**, **Mika Sillanpää**

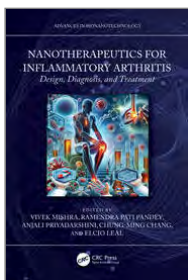
Point-of-care (POC) diagnostic devices are predominantly used for the diagnosis and monitoring of diseases. To make these technologies scalable for manufacturing, user-friendly, inexpensive, sensitive, and rapid, combination of such devices with nanomaterials is required. This book deals with the new emerging fields such as POC tech, advanced nanotheranostics using nanomaterials, technologies, and applications in diagnosis. Current advances for the application of nanomaterials such as carbon nanotubes, graphene, and magnetic nanoparticles in POC devices and future directions are reviewed. The book aims at Researchers and professionals in nanotechnology & biomedical engineering.

CRC Press  
August 2024:332  
Hb: 978-1-032-32728-0: £140

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## Nanotherapeutics for Inflammatory Arthritis

Design, Diagnosis, and Treatment



Edited by **Vivek Mishra** Amity University, India, **Ramendra Pati Pandey** SRM University, India, **Anjali Priyadarshini** SRM University, India, **Chung-Ming Chang** Chang Gung University, Taiwan (R.O.C.), **Elcio Leal** Federal University of Para, Brazil

Series: *Advances in Bionanotechnology*

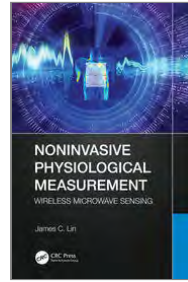
This book highlights nanobiotechnology and its therapeutic applications in the field of inflammatory arthritis, the interaction of nanomaterials in the biological systems, and clinical development of nanomedicines. It also covers the discovery of personalized therapeutics, diagnostics, and nanoparticulate delivery systems, the role of bioinformatics nanobiotechnology in personalized oncology. Use of nanosensors for the detection and current challenges in the development of personalized medicine is explained including recent nanotechnology-based strategies. This book is aimed at Researchers and Professionals in Nanotechnology, Biomaterial, Drug Delivery, and Inflammatory Arthritis.

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## Noninvasive Physiological Measurement

Wireless Microwave Sensing



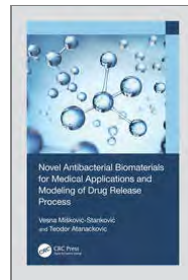
**James C. Lin** University of Illinois at Chicago, USA

This book explains the principles and techniques of microwave physiological sensing and introduces fundamental results of noninvasive sensing of physiological signatures, signs, and life detection. Techniques for contact and remote sensing of circulatory and respiratory movements and physiological volume changes are discussed. This book is intended for researchers and professionals in biomedical, electrical, and computer engineering with an interest in antenna, sensors, microwave, signal processing, and medical applications. It will also be of interest to healthcare professionals, technologists, and practitioners interested in noninvasive physiological sensing and patient monitoring.

CRC Press  
May 2024:514  
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## Novel Antibacterial Biomaterials for Medical Applications and Modeling of Drug Release Process



**Vesna Mišković-Stanković**, **Teodor Atanackovic**

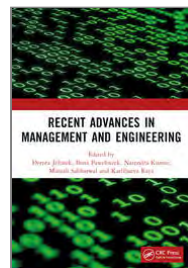
This book provides a comprehensive review of synthesis and physicochemical and biological characterization of novel antibacterial biomaterials produced according to original procedures and aimed at medical applications such as wound dressing, soft and hard tissue implants, drug delivery devices and carriers for cell cultivation. This book is intended for all researchers working in the fields of biomaterials and biomedical engineering, as well as medical professionals, science and engineering graduate students, academics, and industrial researchers.

CRC Press  
June 2024:284  
Hb: 978-1-032-66886-4: £125  
eBook: 978-1-032-66889-5

\* For full contents and more information, visit: [www.routledge.com/9781032668864](http://www.routledge.com/9781032668864)

## Recent Advances in Management and Engineering

Proceedings of Recent Advances in Management and Engineering



Edited by **Ilona Pawelozsek**, **Dorota Jelonek**, **Munish Sabharwal**, **Narendra Kumar**, **Karlibaeva Raya**

It is with great pleasure that I present to you the proceedings of our Recent Advances in Management and Engineering held on November 24 – 27, 2023 in Male, Maldives. This conference represents a milestone in our ongoing journey towards academic excellence where we aspire to become a renowned platform for the exchange of ideas, collaboration, networking, and learning.

CRC Press  
September 2024:320  
Pb: 978-1-032-87318-3: £45.99

\* For full contents and more information, visit: [www.routledge.com/9781032873183](http://www.routledge.com/9781032873183)

## Recent Technological Advances in Engineering and Management

Proceedings of recent technological advances in engineering and management



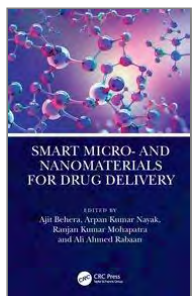
*Edited by* **Dalia Younis , Ilona Pawelozsek , Mamta Chahar , Narendra Kumar , Nino Abesadze , Preeti Narooka**

In an epoch characterized by swift technological progress and digital ingenuity, the dynamics of management continually undergo transformation. The conference served as a congregation point for thought leaders, industry professionals, academics, and innovators from across the globe, fostering the exchange of ideas and serving as a catalyst for transformative change.

CRC Press  
September 2024:320  
Pb: 978-1-032-87202-5: £45.99

\* For full contents and more information, visit: [www.routledge.com/9781032872025](http://www.routledge.com/9781032872025)

## Smart Micro- and Nanomaterials for Drug Delivery



*Edited by* **Ajit Behera** National Institute of Technology, Rourkela, **Arpan Kumar Nayak , Ranjan Kumar Mohapatra , Ali Ahmed Rabaan**

*Series: Emerging Materials and Technologies*

Smart drug delivery at both the micro- and nanoscale is an evolving field with numerous potential applications. It has the potential to revolutionize drug therapy by making treatments more effective, reducing side effects, and improving patient outcomes. This book presents a comprehensive review of the most recent studies on smart micro- and nanomaterials with a focus on their "smart" activity for formation of targeted and responsive drug-delivery carriers. This reference work is written to support researchers in the fields of materials engineering and biotechnology with the goal of improving the diagnosis and treatment of disease and patient quality of life.

CRC Press  
August 2024:442  
Hb: 978-1-032-74260-1: £150

\* For full contents and more information, visit: [www.routledge.com/9781032742601](http://www.routledge.com/9781032742601)

## Smart Micro- and Nanomaterials for Drug Delivery and Pharmaceutical Applications, Two-Volume Set



*Edited by* **Ajit Behera** National Institute of Technology, Rourkela, **Arpan Kumar Nayak , Ranjan Kumar Mohapatra , Ali Ahmed Rabaan**

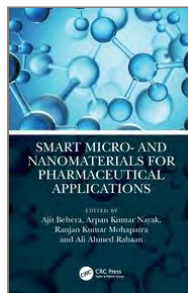
*Series: Emerging Materials and Technologies*

Clinically approved micro- and nanobased products have impacted treatment of predominant diseases including cancer, diabetes, and different immune disorders. This Two-Volume Set presents a comprehensive overview of the most recent studies on smart micro- and nanomaterials for formation of targeted and responsive drug-delivery carriers and pharmaceutical applications. This wide-ranging reference work is written to support researchers in materials engineering and biotechnology with the goal of improving diagnosis and treatment of disease and improve patient quality of life.

CRC Press  
August 2024:794  
Hb: 978-1-032-55508-9: £270

\* For full contents and more information, visit: [www.routledge.com/9781032555089](http://www.routledge.com/9781032555089)

## Smart Micro- and Nanomaterials for Pharmaceutical Applications



*Edited by* **Ajit Behera** National Institute of Technology, Rourkela, **Arpan Kumar Nayak , Ranjan Kumar Mohapatra , Ali Ahmed Rabaan**

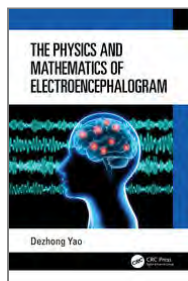
*Series: Emerging Materials and Technologies*

Smart drug delivery refers to a targeted drug delivery or precision drug delivery system that allows drugs to be administered to a specific location in the body or at a specific time with enhanced precision and control. This approach has several advantages, including maximizing the therapeutic effects of a drug while minimizing side effects. This book presents various stimuli-responsive micro- and nanomaterials for pharmaceutical industries. This reference work is written to support researchers in the fields of materials engineering and biotechnology with the goal of improving the diagnosis and treatment of disease and patient quality of life.

CRC Press  
August 2024:352  
Hb: 978-1-032-74261-8: £155

\* For full contents and more information, visit: [www.routledge.com/9781032742618](http://www.routledge.com/9781032742618)

## The Physics and Mathematics of Electroencephalogram



**Dezhong Yao** University of Electronic Science and Technology of China

This book focuses on a systematic introduction to the knowledge of mathematics and physics of EEG and discusses an in-depth application of EEG and the development of new methods and technologies for mining and analyzing EEG. This book can be used as reference for researchers in neuroengineering, cognitive neuroscience, neurology, psychiatry, applied mathematics, and those researching brain-like intelligence.

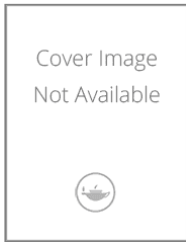
CRC Press  
June 2024:476  
Hb: 978-1-032-62247-7: £155

\* For full contents and more information, visit: [www.routledge.com/9781032622477](http://www.routledge.com/9781032622477)



## Syncope

From Etiopathogenesis to New Therapeutic Options



*Edited by* **Tolga Aksu**, **Carlos A. Morillo**

Syncope is a common condition related to transient loss of consciousness due to global cerebral hypoperfusion and caused by a variety of aetiologies. Although it is self-limited, and usually benign, syncope can be the harbinger of life-threatening heart rhythm problems due to cardiac conditions. This book provides a detailed review of etiopathogenesis and a state-of-the-art update on therapeutic options offering recommendations based on the guidelines and experience of experts while discussing procedures and tests with their indications, methodology, interpretation, and limitations.

CRC Press

October 2024:264

Pb: 978-1-032-54233-1: £74.99

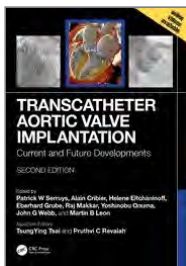
Hb: 978-1-032-54234-8: £190

\* For full contents and more information, visit: [www.routledge.com/9781032542331](http://www.routledge.com/9781032542331)

2ND EDITION

## Transcatheter Aortic Valve Implantation

Current and Future Developments



*Edited by* **Patrick W. Serruys**, **Alain Cribier** University Hospital Charles Nicolle, Rouen, **Helene Eltchaninoff** Centre Hospitalier Universitaire de Rouen, France, **Eberhard Grube** University Hospital Bonn, Germany, **Raj Makkar** Smidt Heart Institute, USA, **Yoshinobu Onuma** CORRIB Core Laboratory, Ireland, **John G. Webb** St. Paul's Hospital, Vancouver, BC, Canada, **Martin B. Leon** Columbia University Irving Medical Center, USA

Written by pioneers in the field of interventional cardiology, this new edition provides readers with the information and expert guidance needed to perform safe and effective transcatheter aortic valve implantation/replacement (TAVI/TAVR). The book is supplemented by visual aids, including more than 300 illustrations and videos.

CRC Press

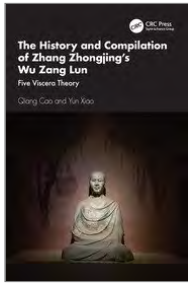
September 2024:394

Hb: 978-1-032-47147-1: £150

\* For full contents and more information, visit: [www.routledge.com/9781032471471](http://www.routledge.com/9781032471471)

## The History and Compilation of Zhang Zhongjing's Wu Zang Lun

Five Viscera Theory



**Qiang Cao, Yun Xiao**

The History and Compilation of Zhang Zhongjing's Wu Zang Lun stands as the first comprehensive work in English detailing the history and compilation of Zhongjing's Treatise on the Five Zang Organs (*Wu Zang Lun*, 五藏論). It uses storytelling to illuminate the historical context of the five versions found in Dunhuang. By exploring the origin and development of these versions this book not only delves into traditional Chinese medicine but also intertwines fascinating elements of humanities, history, and geography. The reader is offered insight into the Dunhuang manuscripts' background and the significance of Zhongjing's contributions to medical literature.

CRC Press

October 2024:224

Pb: 978-1-032-69006-3: £44.99

Hb: 978-1-032-69819-9: £170

\* For full contents and more information, visit: [www.routledge.com/9781032690063](http://www.routledge.com/9781032690063)

## Towards Holistic Medicine



**Bing Yuan** HK Modern Chinese Medicine R&D Center, Yau Ma Tei, Kowloon, Hong Kong, China

In recent years, the integrated research on living organisms initiated by systems biology, along with the efforts of precision medicine to tailor treatment plans based on the individual characteristics of each patient have opened up the process of modern biology and medicine returning to Chinese medical traditions in terms of ideas. Under the larger perspective of the development and evolution of Eastern and Western medicine, biology, and even natural science for hundreds of years, this book follows the evolution of modern scientific methods and reveals the inevitable trend of future medicine—holistic medicine.

CRC Press

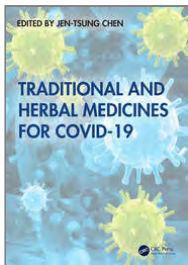
August 2024:280

Hb: 978-0-367-14534-7: £145

eBook: 978-0-429-03219-6

\* For full contents and more information, visit: [www.routledge.com/9780367145347](http://www.routledge.com/9780367145347)

## Traditional and Herbal Medicines for COVID-19



*Edited by* **Jen-Tsung Chen**

Traditional and Herbal Medicines for COVID-19 explores promising ways to manage COVID-19, post-COVID, and long-COVID conditions. The management plans are based on anti-virus activity, anti-inflammatory, and diverse health benefits of traditional and herbal medicines through a comprehensive summarization of scientific literature by experts in the field. It presents information on a view of the origin of SARS-CoV-2, emerging variants and pathogenesis, and it proposes renewed strategies of diagnostics, vaccines, and therapies.

CRC Press

November 2024:488

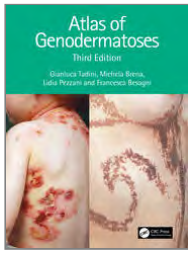
Pb: 978-1-032-59030-1: £68.99

Hb: 978-1-032-58944-2: £180

\* For full contents and more information, visit: [www.routledge.com/9781032590301](http://www.routledge.com/9781032590301)

3RD EDITION

## Atlas of Genodermatoses



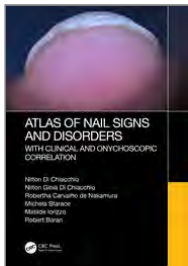
**Gianluca Tadini** Istituto di Scienze Dermatologiche, Italy, **Michela Brena** Istituto di Scienze Dermatologiche, Italy, **Francesca Besagni**, **Lidia Pezzani**

This text presents a comprehensive illustrated overview of almost 200 inherited diseases of the skin, hair, and nails. Examples have been expanded, with new images added to provide clear examples, alongside coherent and comprehensive explanations to enable clinicians to easily identify and source relevant information. The entry for each disease provides background, followed by common characterisations, manifestations, laboratory findings, genetics, cutaneous and extracutaneous findings, differential diagnosis, an overview of complications and recommended follow-ups. In its third edition, this text becomes an invaluable resource for dermatologists and pediatricians.

CRC Press  
May 2024:539  
Pb: 978-0-367-64397-3: £170  
Hb: 978-0-367-64396-6: £230  
eBook: 978-1-003-12435-1

\* For full contents and more information, visit: [www.routledge.com/9780367643973](http://www.routledge.com/9780367643973)

## Atlas of Nail Signs and Disorders with Clinical and Onychoscopic Correlation



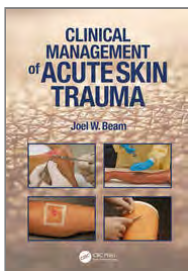
**Nilton Di Chiacchio** Hospital do Servidor Público Municipal de São Paulo, São Paulo, Brazil, **Nilton Gioia Di Chiacchio**, **Robertha Carvalho de Nakamura** Instituto di Dermatologia, Santa Casa da Misericórdia, Rio de Janeiro, Brazil, **Michela Starace** University of Bologna, Italy, **Matilde Iorizzo**, **Robert Baran** Nail Disease Center, Cannes, France

This atlas allows dermatologists and resident and qualified professionals in other disciplines to reach a quick diagnosis, with a wealth of clinical and dermatoscopic images for convenience. Key features - Provides a quick and straightforward guide to diagnosis for medical professionals. Allows residents and professionals in other disciplines to get the essential points rapidly. Presents the expertise of some of the most eminent nail specialists internationally.

CRC Press  
April 2024:120  
Hb: 978-1-032-25790-7: £99.99  
eBook: 978-1-003-28502-1

\* For full contents and more information, visit: [www.routledge.com/9781032257907](http://www.routledge.com/9781032257907)

## Clinical Management of Acute Skin Trauma



**Joel W. Beam**

This text, for professional athletic training students, practicing athletic trainers, and other health care professionals responsible for acute wound care, aims to facilitate learning of the knowledge, skills, and clinical abilities required to manage such acute skin trauma effectively. It acts as a comprehensive guide to the reader from the initial injury assessment through complete wound healing using evidence-based practice techniques. Color photographs, step-by-step procedures of intervention techniques, evidence summaries from the literature, and clinical expertise play an integral role in enhancing the material.

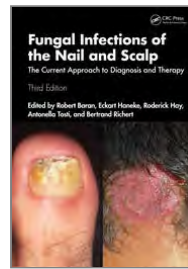
CRC Press  
July 2024:192  
Pb: 978-1-638-22066-4: £59.99

\* For full contents and more information, visit: [www.routledge.com/9781638220664](http://www.routledge.com/9781638220664)

3RD EDITION

## Fungal Infections of the Nail and Scalp

The Current Approach to Diagnosis and Therapy



Edited by **Robert Baran**, **Eckart Haneke** University of Berne, Switzerland, **Roderick Hay** Queens University, Belfast, **Antonella Tosti** University of Miami, USA, **Bertrand Richert** CHU Brugmann, Brussels

This new edition of a bestselling text has been expanded to include scalp infections; as before, this illustrated text has been written by clinicians for clinicians, to provide an authoritative guide to the steps needed to identify and effectively manage the patient with fungal nail or scalp infection.

CRC Press  
November 2024:208  
Pb: 978-1-032-46430-5: £69.99  
Hb: 978-1-032-46432-9: £180

\* For full contents and more information, visit: [www.routledge.com/9781032464305](http://www.routledge.com/9781032464305)

3RD EDITION

## Hair Loss and Restoration



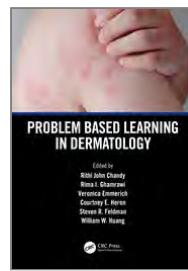
Edited by **Jerry Shapiro** University of British Columbia, Vancouver, Canada, **Kristen Lo Sicco** NYU Langone Health, USA, **Nina Otberg**, **Donna Cummins** Salford Royal Hospital, UK, **Hsiao-Han Tuan** Tsinghua University, China

This new edition of an established resource provides an extensive look at the practical management, both medical and surgical, of all forms of hair loss. Proper examination of the patient with hair loss is discussed in depth, as is androgenetic alopecia, the most common cause of hair loss. This compact and easy-to-read book remains a valuable resource for professional training and use.

CRC Press  
May 2024:271  
Hb: 978-1-032-38297-5: £150  
eBook: 978-1-003-34438-4

\* For full contents and more information, visit: [www.routledge.com/9781032382975](http://www.routledge.com/9781032382975)

## Problem Based Learning in Dermatology



Edited by **Rithi John Chandy** Rutgers Health Community Medical Center, USA, **Rima I. Ghamrawi** Brookwood Baptist Health, USA, **Veronica Emmerich** University of South Carolina, USA, **Courtney E. Heron** Henry Ford Health, Department of Dermatology, USA, **Steven R. Feldman** Wake Forest University School of Medicine, USA, **William W. Huang** Wake Forest University School of Medicine, USA

This book presents 15 cases as studies in how to reach a diagnosis from a presenting patient. It covers 15 major topics in clinical dermatology as a succinct reference for dermatology clinicians in practice, also offering a concise revision guide for those in training, from medical students and resident physicians preparing for higher examinations to established physicians in their continuing professional development.

CRC Press  
August 2024:136  
Pb: 978-1-032-57136-2: £64.99  
Hb: 978-1-032-57137-9: £115

\* For full contents and more information, visit: [www.routledge.com/9781032571362](http://www.routledge.com/9781032571362)

## Skin and Pregnancy

A Comprehensive Guide for Clinical Practice



*Edited by* **Rashmi Sarkar** Lady Hardinge Medical College, New Delhi, India, **Swati Agrawal** Lady Hardinge Medical College, New Delhi, India, **Soumya Jagadeesan** Amrita School of Medicine, Kochi, India

This text fills the gap between medical specialties in this topic, covering the dermatological diseases appearing during or affected by pregnancy; it also looks at safe drug usage and the cosmetic and aesthetic concerns of the pregnant woman. Most of the conditions discussed require a combined approach and treatment by the dermatologist and gynaecologist and obstetrician, and this text establishes a united therapeutic approach for all practitioners.

CRC Press

November 2024:224

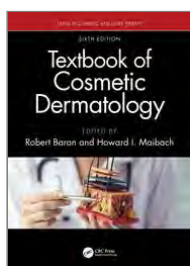
Pb: 978-1-032-58347-1: **£84.99**

Hb: 978-1-032-58348-8: **£150**

\* For full contents and more information, visit: [www.routledge.com/9781032583471](http://www.routledge.com/9781032583471)

6TH EDITION

## Textbook of Cosmetic Dermatology



*Edited by* **Robert Baran** Nail Disease Center, Cannes, France, **Howard I. Maibach** University of California, USA.

*Series: Series in Cosmetic and Laser Therapy*

This text documents the science that lies behind the expanding field of cosmetic dermatology so that clinicians can practice with confidence and researchers can be fully aware of the clinical implications of their work. New chapters have been added to this edition on skin bioengineering, skin imaging, sunscreens, gel nail polish, management of hair loss, cosmetics and moisturizers in acne management, cryolipolysis, and radiofrequency for minimally invasive body contouring, amongst others, and chapters have been updated throughout to keep this at the forefront of work and practice.

CRC Press

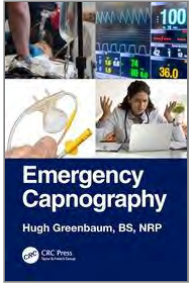
October 2024:518

Hb: 978-1-032-27067-8: **£150**

\* For full contents and more information, visit: [www.routledge.com/9781032270678](http://www.routledge.com/9781032270678)



## Emergency Capnography



**Hugh Greenbaum**

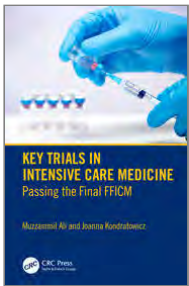
This portable and practical pocket guide explains how capnography works both physiologically and electronically, helping clinical staff to correctly apply the tool and to appropriately interpret the numeric and graphic displays. Ensuring that the value of capnography can be maximized to the benefit of patients, the book is an essential primer to capnography for those studying for and practising within the emergency medical services, and a convenient reference for other emergency department personnel, explaining how to interpret the data displayed in the context of various conditions, as well as how the care provider may respond to that data.

CRC Press  
August 2024:132  
Pb: 978-1-032-79346-7: **£22.99**  
Hb: 978-1-032-79347-4: **£99.99**

\* For full contents and more information, visit: [www.routledge.com/9781032793467](http://www.routledge.com/9781032793467)

## Key Trials in Intensive Care Medicine

Passing the Final FFICM



**Muzzammil Ali , Joanna Kondratowicz**

*Series: Key Trials*

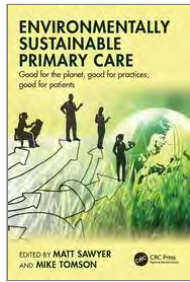
Compact and easy to read, this essential guide to over 160 key papers that Intensive Care doctors preparing for postgraduate exams or embarking upon an intensive care rotation will find invaluable. Each of the key trials, studies, or meta-analyses has been chosen for their educational value and enduring impact in Intensive Care Medicine. Tailored specifically to the OSCE and SOE components of postgraduate examinations such as the FFICM, the content provides concise, efficient summaries and key results, making it an indispensable tool for both exam preparation and professional advancement in Intensive Care Medicine.

CRC Press  
August 2024:238  
Pb: 978-1-032-74327-1: **£34.99**  
Hb: 978-1-032-74329-5: **£99.99**

\* For full contents and more information, visit: [www.routledge.com/9781032743271](http://www.routledge.com/9781032743271)

## Environmentally Sustainable Primary Care

Good for the planet, good for practices, good for patients



Edited by **Matt Sawyer**, **Mike Tomson**

This practical guide, for primary care, provides a context-specific introduction to the sustainability challenges associated with good healthcare delivery and provides easy-to-implement yet impactful actions that can be taken to reduce and mitigate the impact of primary care on the living world whilst also looking at the impact of the changing planet on healthcare that people will encounter.

CRC Press

November 2024:264

Pb: 978-1-032-79357-3: **£39.99**

Hb: 978-1-032-79358-0: **£145**

\* For full contents and more information, visit: [www.routledge.com/9781032793573](http://www.routledge.com/9781032793573)

## Planning & Designing Health Care Facilities in Developing Countries



**Shashikant Sharma** Armed Forces Medical College, Pune, India, **Saurabh Singh** Department of Hospital Administration, NEIGRIHMS, Shillong, India

This book aims to provide both theoretical and practical inputs for Planning and Designing of Health Care Facilities in developing countries. It clearly indicates the steps to be followed, facts to be weighed and components to be considered to arrive to a correct planning solution.

CRC Press

July 2024:370

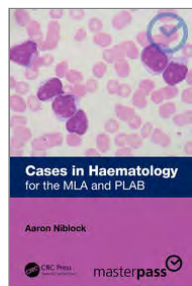
Pb: 978-0-367-46087-7: **£59.99**

Hb: 978-1-032-56104-2: **£200**

\* For full contents and more information, visit: [www.routledge.com/9780367460877](http://www.routledge.com/9780367460877)

## Cases in Haematology

for the MLA and PLAB



**Aaron Niblock**

Series: *MasterPass*

A solid grounding in and understanding of haematology is crucial for any doctor. The pathophysiology is fascinating, and the pharmacology is rapidly advancing, improving prognosis across many haematological conditions. Getting to grips with its fundamentals will stand any medical student in good stead during undergraduate studies and on into clinical practice. This book utilises single best answer-style questions in the popular MasterPass series of revision aids, covering the haematology presentations and conditions listed in the Medical Licensing Assessment content map.

CRC Press

September 2024:260

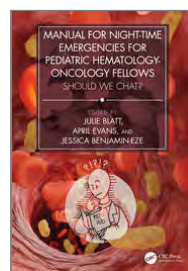
Pb: 978-1-032-81757-6: £24.99

Hb: 978-1-032-81759-0: £99.99

\* For full contents and more information, visit: [www.routledge.com/9781032817576](http://www.routledge.com/9781032817576)

## Manual for Night-Time Emergencies for Pediatric Hematology-Oncology Fellows

Should We Chat?



Edited by **Julie Blatt** University of North Carolina, USA, **April Evans** Sanford Health Roger Maris Cancer Center, ND, USA, **Jessica Benjamin-Eze** University of North Carolina, USA

This manual is intended as a one-stop solution for such frantic moments – a quick resource to bridge the hours between the start of night call and morning rounds that focuses on what needs to be done immediately to avoid hurting a patient. It offers succinct guidelines and algorithms to address the emergencies most likely to come up overnight. For those tempted to turn to AI for quick solutions, there are some salutary lessons from responses AI has given when asked about such emergencies.

CRC Press

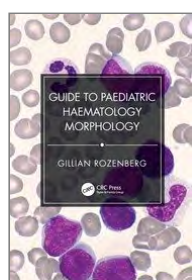
September 2024:136

Pb: 978-1-032-74963-1: £42.99

Hb: 978-1-032-75374-4: £99.99

\* For full contents and more information, visit: [www.routledge.com/9781032749631](http://www.routledge.com/9781032749631)

## Guide to Paediatric Haematology Morphology



**Gillian Rozenberg**

This illustrated guide to identifying or confirming blood disorders in paediatric patients presents examples of the abnormal morphology involved. Clinicians in both Haematology and Paediatrics will find this an invaluable resource.

CRC Press

August 2024:113

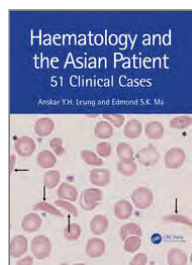
Pb: 978-1-032-75390-4: £74.99

Hb: 978-1-032-75537-3: £150

\* For full contents and more information, visit: [www.routledge.com/9781032753904](http://www.routledge.com/9781032753904)

## Haematology and the Asian Patient

51 Clinical Cases



Edited by **Anskar Y.H. Leung** University of Hong Kong, **Edmond S.K. Ma**

This book aims to highlight the pathophysiology, clinical presentations and basic principles in the investigations and managements of haematological diseases that are prevalent in Asia. Each chapter begins with a real-case clinical scenario, followed by a set of questions and is complemented by photomicrographs, data charts and illustrations. Readers will have a grasp of the basic knowledge in haematology and the book will be a useful reference in their academic study and clinical encounters.

CRC Press

June 2024:248

Pb: 978-1-032-35125-4: £59.99

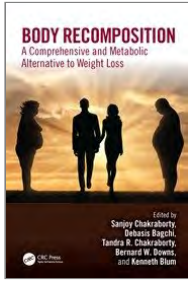
Hb: 978-1-032-35126-1: £150

eBook: 978-1-003-32541-3

\* For full contents and more information, visit: [www.routledge.com/9781032351254](http://www.routledge.com/9781032351254)

## Body Recomposition

A Comprehensive and Metabolic Alternative to Weight Loss



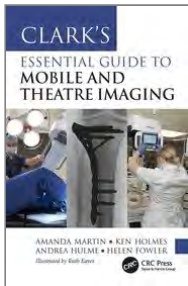
Edited by **Sanjoy Chakraborty , Debasis Bagchi , Tandra Chakraborty , Bernard Downs , Kenneth Blum**

Obesity has become a global pandemic rising beyond the status of a lifestyle disorder, and its consequences include impaired metabolism, energy disruption, and abdominal fat deposition and storage. Body Recomposition: A Comprehensive and Metabolic Alternative to Weight Loss presents information on a unique approach to weight loss through body recomposition, which emphasizes the approach of losing fat whilst gaining muscle.

CRC Press  
September 2024:584  
Hb: 978-1-032-42168-1: £170

\* For full contents and more information, visit: [www.routledge.com/9781032421681](http://www.routledge.com/9781032421681)

## Clark's Essential Guide to Mobile and Theatre Imaging



**Amanda Martin , Ken Holmes , Andrea Hulme , Helen Fowler**

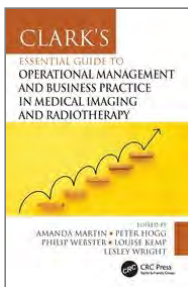
Series: *Clark's Companion Essential Guides*

This easy-to-understand pocketbook in the highly respected Clark's stable of diagnostic imaging texts is an invaluable tool for student and practising radiographers, providing practical guidance to undertaking a wide range of mobile and theatre imaging examinations in multiple locations. Clark's Essential Guide to Mobile and Theatre Imaging takes the systematic approach adopted within books in the Clark's family and designed to be clear and consistent, in which each imaging location is explored, the challenges of each identified and possible solutions presented.

CRC Press  
August 2024:200  
Pb: 978-1-032-14782-6: £26.99  
Hb: 978-1-032-14791-8: £99.99

\* For full contents and more information, visit: [www.routledge.com/9781032147826](http://www.routledge.com/9781032147826)

## Clark's Essential Guide to Operational Management and Business Practice in Medical Imaging and Radiotherapy



Edited by **Amanda Martin , Peter Hogg** Professor Emeritus, University of Salford, **Philip Webster** Technical Advisor to Alliance Medical Limited, **Louise Kemp** Workforce, Training and Projects Manager, **Lesley Wright** Healthcare Systems Engineer and Diagnostic Specialist Advisor

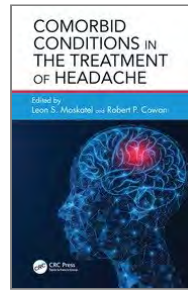
Series: *Clark's Companion Essential Guides*

This easy-to-understand pocketbook in the highly respected Clark's stable of diagnostic imaging texts introduces students and practitioners to the concepts of management, leadership and business planning, and outlines the knowledge and skills required to maintain the daily functioning of a medical imaging department. Clark's Essential Guide to Operational Management and Business Practice in Medical Imaging and Radiotherapy takes the systematic approach adopted within books in the Clark's family and designed to be clear and consistent, introducing the reader to differing concepts of management.

CRC Press  
November 2024:280  
Pb: 978-1-032-43615-9: £29.99  
Hb: 978-1-032-45302-6: £145

\* For full contents and more information, visit: [www.routledge.com/9781032436159](http://www.routledge.com/9781032436159)

## Comorbid Conditions in the Treatment of Headache



Edited by **Leon S Moskatal , Robert P Cowan**

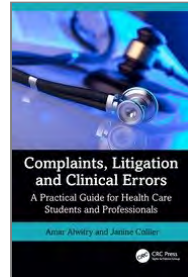
A practical reference and educational tool that teaches headache specialists and neurologists about the comorbid illnesses they will encounter in their patients. Headache Medicine is recognized as a dedicated specialty with an emerging cohort of physicians treating the condition. Headache patients often have other comorbid conditions, which affect treatment decisions and outcomes in innumerable ways. This easy-to-use reference a holistic understanding of the patient with a headache. In addition to headache specialists, it will benefit a wide range of health care providers, including primary care physicians, subspecialists, gynecologists.

CRC Press  
December 2024:326  
Pb: 978-1-032-87678-8: £74.99  
Hb: 978-1-032-47171-6: £190

\* For full contents and more information, visit: [www.routledge.com/9781032876788](http://www.routledge.com/9781032876788)

## Complaints, Litigation and Clinical Errors

A Practical Guide for Health Care Students and Professionals



**Amar Alwitry , Janine Collier**

This concise book provides readers with practical guidance to help them to both avoid errors and develop robust processes to protect themselves and their patients, as well as dealing appropriately with complains and litigation, when things do go wrong. Free of complex legal terminology, the book outlines key concepts in medical law and how these may be applied to clinical situations in both hospital and community settings.

CRC Press  
May 2024:244  
Pb: 978-1-032-01627-6: £29.99  
Hb: 978-1-032-01631-3: £99.99  
eBook: 978-1-003-17935-1

\* For full contents and more information, visit: [www.routledge.com/9781032016276](http://www.routledge.com/9781032016276)

6TH EDITION

## Ernsting's Aviation and Space Medicine



Edited by **David Gradwell , Elizabeth Wilkinson**

Ernsting's Aviation and Space Medicine applies current understanding in medicine, physiology and the behavioural sciences to the medical challenges and stresses that are faced by both civil and military aircrew, and their passengers, on a daily basis. The structure of the book has been refined, bringing related chapters together where appropriate, while the clinical content has been carefully streamlined in line with the specific requirements of the aviation medicine practitioner and adviser, with new chapters added on Commercial Space Travel, Skin Disease and Women's Health.

CRC Press  
September 2024:870  
Hb: 978-0-367-47162-0: £170

\* For full contents and more information, visit: [www.routledge.com/9780367471620](http://www.routledge.com/9780367471620)



## Handbook of Physician Mental Health



**Clare Gerada** Royal College of General Practitioners, UK

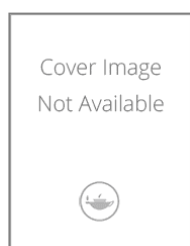
This definitive textbook on practitioner health mixes academic rigour with practitioner and patient experiences. It is a unique book covering care relevant to any regulated health professional, focusing on the care of doctors and nurses with mental illness. The book builds on themes introduced in the award-winning publication *Beneath the White Coat: Doctors Their Minds and Mental Health* from the same author. It provides an invaluable 'how to manage' companion to supplement and enhance the broader issues relating to doctors and mental illness addressed in that first book.

Routledge  
July 2024:198  
Pb: 978-1-032-47986-6: **£29.99**  
Hb: 978-1-032-48937-7: **£99.99**  
eBook: 978-1-003-39150-0

\* For full contents and more information, visit: [www.routledge.com/9781032479866](http://www.routledge.com/9781032479866)

5TH EDITION

## Hearing Loss



Edited by **Robert Thayer Sataloff, Pamela C. Roehm**

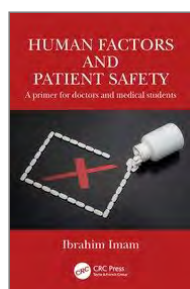
Covering all aspects of the anatomy, physiology, diagnosis, and treatment of hearing loss, this is an accessible and comprehensive text for all clinicians interested in expanding their knowledge of hearing loss. This new edition includes new material on many topics such as cochlear biology and synaptopathy. In addition, it contains expanded chapters as well as updated material. It is extensively augmented with case reports that illustrate important principles. This is of value to otolaryngologists, general practitioners, pediatricians, residents, medical students, audiologists, nurses, audiometric technicians, attorneys, and other professionals with interests in the ear and hearing.

CRC Press  
October 2024:650  
Pb: 978-1-032-56759-4: **£99.99**  
Hb: 978-1-032-56866-9: **£170**

\* For full contents and more information, visit: [www.routledge.com/9781032567594](http://www.routledge.com/9781032567594)

## Human Factors and Patient Safety

A primer for doctors and medical students



**Ibrahim Imam** Royal Devon and Exeter, UK

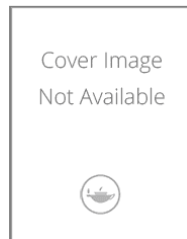
This book fulfils the need of doctors, medical students and all healthcare personnel for information that addresses fundamental patient safety concepts that are not usually covered in conventional medical curricula. The content encompasses the main areas of human factors and patient safety in short and easily accessible language supplemented by anecdotes from safety-critical industries such as aviation and nuclear power. Each chapter highlights the problems of human error and provides solutions that help to reduce the risks to patients. The coverage highlights the important role the public should play in protecting their own safety when in contact with healthcare systems.

CRC Press  
August 2024:162  
Pb: 978-1-032-79669-7: **£24.99**  
Hb: 978-1-032-79668-0: **£99.99**

\* For full contents and more information, visit: [www.routledge.com/9781032796697](http://www.routledge.com/9781032796697)

## Interdisciplinary Rheumatology

Rheumatology and Cardiology



Edited by **Vaneet Sandhu**

Series: *Interdisciplinary Rheumatology*

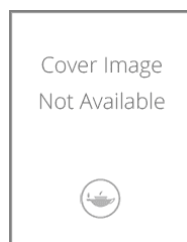
This book represents a dialogue between specialties, helping clinicians understand the implications of disease both within their own specialty and in the overlapping specialty of the case. Here leading experts from the fields of rheumatology and cardiology provide a masterclass in the care of patients with systemic illnesses that involve the immune system and the cardiovascular system.

CRC Press  
October 2024:176  
Pb: 978-1-032-47221-8: **£44.99**  
Hb: 978-1-032-47953-8: **£110**

\* For full contents and more information, visit: [www.routledge.com/9781032472218](http://www.routledge.com/9781032472218)

## Interdisciplinary Rheumatology

Rheumatology and Gastroenterology



Edited by **Reem Jan, Sushila Dalal**

Series: *Interdisciplinary Rheumatology*

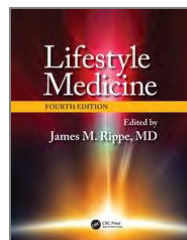
Interdisciplinary Rheumatology: Rheumatology and Gastroenterology is the first complete textbook that examines the myriad complications of rheumatic syndromes in the gastrointestinal tract. Each disease is summarized for a broad medical audience, with focus on the consequences of the disorder throughout the gut. The reader will formulate an understanding of the clinical, pharmacological and nutritional aspects of the interface of these two specialties with expert contributors from a range of academic centers.

CRC Press  
September 2024:168  
Pb: 978-1-032-43435-3: **£44.99**  
Hb: 978-1-032-43436-0: **£115**

\* For full contents and more information, visit: [www.routledge.com/9781032434353](http://www.routledge.com/9781032434353)

4TH EDITION

## Lifestyle Medicine, Fourth Edition



Edited by **James M. Rippe** Rippe Lifestyle Institute, Shrewsbury, Massachusetts, USA

The fourth edition of Dr. James Rippe's classic Lifestyle Medicine textbook continues to lead and inform the rapidly growing field of lifestyle medicine. This is the discipline which focuses on the impact of daily habits and actions on both short and long-term health and quality of life.

CRC Press  
August 2024:1500  
Hb: 978-1-032-12992-1: **£300**

\* For full contents and more information, visit: [www.routledge.com/9781032129921](http://www.routledge.com/9781032129921)

## Masterclass in Medicine

Lessons from the Experts



Edited by **Marcy B. Bolster**, Jason Liebowitz Skylands Medical Group, Rockaway, USA, **Philip Seo** Johns Hopkins University School of Medicine, Baltimore, USA

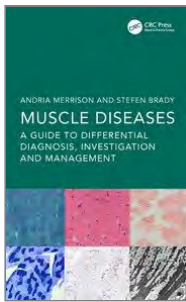
Nearly every medical school around the world teaches a class about the clinical foundations of medicine and how to start the process of becoming a skilled and caring physician. However, there has never been a book on it - until now. This premier text brings together talented and renowned physicians globally, to discuss important topics related to clinical excellence, including humility, empathy, and ingenuity in medicine. Healthcare professionals will gain tremendous knowledge by hearing the stories of what these master clinicians have learned from their patients and colleagues, thereby giving a foundation in how to achieve greatness as a clinician.

CRC Press  
October 2024:264  
Pb: 978-1-032-52949-3: £24.99  
Hb: 978-1-032-52951-6: £62.99

\* For full contents and more information, visit: [www.routledge.com/9781032529493](http://www.routledge.com/9781032529493)

## Muscle Diseases

A Guide to Differential Diagnosis, Investigation and Management



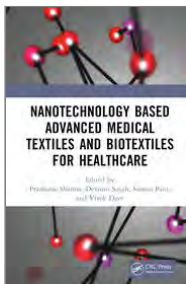
Edited by **Andria Merrison**, **Stefen Brady**

A how-to-guide on the clinical assessment and investigation of patients presenting with muscle-related symptoms. Featuring a case-based approach, this accessible text is suitable for a wide range of clinical specialists who see patients presenting with both common and rare muscle diseases. Patients with muscle diseases may be referred to one of several medical or surgical specialties including neurology, rheumatology, neuropathology, neurophysiology, cardiology, respiratory medicine, intensive care medicine, gastroenterology, ophthalmology, orthopaedic and spinal surgery, before the correct diagnosis is considered. This accessible text is an ideal resource for clinicians.

CRC Press  
November 2024:154  
Pb: 978-1-138-36802-6: £59.99  
Hb: 978-1-138-36833-0: £99.99

\* For full contents and more information, visit: [www.routledge.com/9781138368026](http://www.routledge.com/9781138368026)

## Nanotechnology Based Advanced Medical Textiles and Biotextiles for Healthcare



Edited by **Prashansa Sharma** Banaras Hindu University, UP, India, **Devsuni Singh** Banasthali Vidhyapith, Rajasthan, India, **Suman Pant** Banasthali Vidhyapith, Rajasthan, India, **Vivek Dave** CUSB, Bihar, India

This book provides a systematic coverage of research into medical and biotextiles based on nanomaterials as applicable in healthcare. Divided into three sections, it explains manufacturing, properties, types, and recent developments in nanotechnology based medical textiles backed by case studies. It includes wide range of different clinical applications of biotextiles for healthcare including nanotextile scaffolds, nano-based artificial organs, surgical sutures, enzymatic assisted enhanced biotextiles, tissue engineering or drug delivery system via nanofibers and so forth. This book aims at researchers and graduate students in textile technology and engineering, and medical textiles.

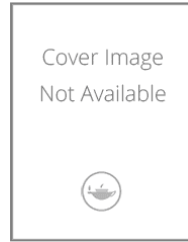
CRC Press  
May 2024:338  
Hb: 978-1-032-36375-2: £155  
eBook: 978-1-003-33161-2

\* For full contents and more information, visit: [www.routledge.com/9781032363752](http://www.routledge.com/9781032363752)

## Pass the MRCP (SCE) Neurology Revision Guide

**Dhananjay Gupta**

Series: *Master Pass Series*



This up-to-date revision guide for the MRCP (Specialty Certificate Examination) in Neurology covers the core areas that are essential to exam success. The chapters reflect the exam syllabus and help exam candidates remember and recall core concepts. The chapter format and style provide a structured and focused approach to studying essential neurology topics, ensuring a comprehensive understanding of the subject matter. Whether you are a resident or trainee preparing for your first SCE examination or a seasoned neurologist seeking to enhance your knowledge and skills, this book will provide you with the necessary tools for success.

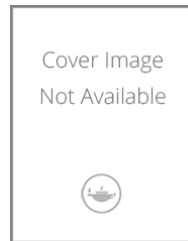
CRC Press  
October 2024:168  
Pb: 978-1-032-43373-8: £49.99  
Hb: 978-1-032-43374-5: £99.99

\* For full contents and more information, visit: [www.routledge.com/9781032433738](http://www.routledge.com/9781032433738)

3RD EDITION

## Practical Ultrasound

An Illustrated Guide



**Jane Alty**, **Edward Hoey**, **Michael Weston**

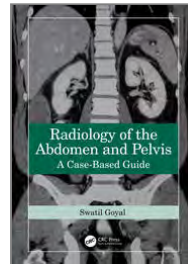
In the hands of a skilled operator, ultrasound scanning is a simple and easy procedure. However, reaching that level of proficiency can be a long and tedious process. Commended by the British Medical Association, Practical Ultrasound, Third Edition incorporates up-to-date techniques and protocols, focusing on the scans regularly encountered in a busy ultrasound department. This book provides everything novice practitioners need to know to become competent and skilled in scanning. The authors' precise approach puts an immense amount of knowledge within easy reach, making it an ideal aid for learning the practicalities of ultrasound.

CRC Press  
November 2024:200  
Pb: 978-1-032-46431-2: £69.99  
Hb: 978-1-032-46434-3: £175

\* For full contents and more information, visit: [www.routledge.com/9781032464312](http://www.routledge.com/9781032464312)

## Radiology of the Abdomen and Pelvis

A Case-Based Guide



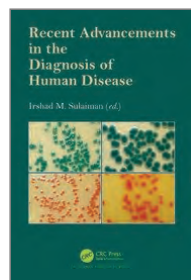
**Swati Goyal** Gandhi Medical College, Bhopal, India

A succinct account of various routinely experienced pathologies and suitable images has been enlisted as 162 case studies. The cases are structured into thematic chapters with an integrated approach to basic learning. Each case study follows a similar format with a brief clinical presentation, relevant imaging findings, discussion with differential diagnosis, management, and suggested readings. The book focuses on the pointwise description of cases routinely encountered in abdominopelvic imaging that help students, trainees and radiologists to write certificate examinations.

CRC Press  
September 2024:208  
Pb: 978-1-032-58774-5: £49.99  
Hb: 978-1-032-58878-0: £125

\* For full contents and more information, visit: [www.routledge.com/9781032587745](http://www.routledge.com/9781032587745)

## Recent Advancements in the Diagnosis of Human Disease



*Edited by* **Irshad M. Sulaiman** U.S. Food and Drug Administration, USA

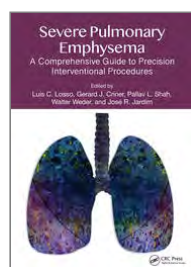
Viruses, bacteria, fungi and parasites are known to cause the most common human disease. It frequently spreads through direct contact (from human to human, animal to human), and through contaminated food or water. With the advancement of diagnostic techniques, it is now possible to rapidly identify microorganisms causing human disease and correlate with the corresponding clinical infection. Therefore, there is a need to develop robust and high-throughput diagnostic methods to prevent and control human disease of public health importance.

CRC Press  
June 2024:302  
Hb: 978-1-032-57260-4: £130  
eBook: 978-1-003-43859-5

\* For full contents and more information, visit: [www.routledge.com/9781032572604](http://www.routledge.com/9781032572604)

## Severe Pulmonary Emphysema:

A Comprehensive Guide to Precision Interventional Procedures



*Edited by* **Luis Carlos Losso**, **Gerard J. Criner**, **Pallav L. Shah** MD, MBBS, FRCP, Consultant Physician, Royal Brompton Hospital and Chelsea and Westminster Hospital, London, UK, **Walter Weder**, **José R Jardim**

Pulmonary emphysema is one of its most serious phenotypes, with chronic and inexorable progression and, in the most severe stages, it is highly disabling and lethal. This book reviews knowledge about the pathophysiology of severe pulmonary emphysema and current innovative interventional and minimally invasive therapeutic concepts for the management of these advanced stages of emphysema, based on the best scientific evidence. This book is a valuable resource for clinicians dealing with critically ill patients with COPD

CRC Press  
October 2024:192  
Pb: 978-1-032-17023-7: £49.99  
Hb: 978-1-032-17024-4: £125

\* For full contents and more information, visit: [www.routledge.com/9781032170237](http://www.routledge.com/9781032170237)

## The Impact of Artificial Intelligence in Radiology



*Edited by* **Adam E. M. Eltorai**, **H. Henry Guo**

Series: *AI in Clinical Practice*

Implementation of artificial intelligence (AI) in Radiology is an important topic of discussion. Advances in AI—which encompass machine learning, artificial neural networks, and deep learning—are increasingly being applied to diagnostic imaging. While some posit radiologists are irreplaceable, certain AI proponents have proposed to “stop training radiologists now.” By compiling perspectives from experts from various backgrounds, this book explores the current state of AI efforts in Radiology along with the clinical, financial, technological, and societal perspectives on the role and expected impact of AI in Radiology.

CRC Press  
October 2024:200  
Pb: 978-0-367-55815-4: £74.99  
Hb: 978-0-367-55816-1: £190

\* For full contents and more information, visit: [www.routledge.com/9780367558154](http://www.routledge.com/9780367558154)

## Thinking About Medicine

An Introduction to the Philosophy of Healthcare



**David Misselbrook**

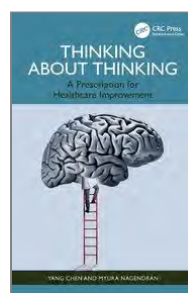
This introduction to the philosophy of medicine surveys the landscape of western philosophy as it pertains to healthcare in an accessible way. Written by a doctor for doctors and other health professionals, framing the 'toolbox' of philosophy within the community of medicine, it encourages examination of the implicit assumptions made in the construction of medical knowledge and practice. The book is an ideal textbook for students of medicine and medical philosophy and will also be of interest to bioethicists, medical sociologists to improve their understanding of philosophy and ethics and sharpen their critical thinking skills.

CRC Press  
May 2024:336  
Pb: 978-1-032-41673-1: £34.99  
Hb: 978-1-032-42231-2: £145  
eBook: 978-1-003-36183-1

\* For full contents and more information, visit: [www.routledge.com/9781032416731](http://www.routledge.com/9781032416731)

## Thinking About Thinking

A Prescription for Healthcare Improvement



**Yang Chen**, **Myura Nagendran**

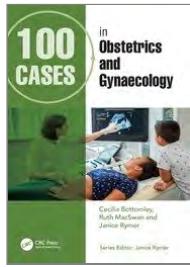
This book is about the practice of medicine and the decision-making of the people we entrust with our care. Through personal experience, research and feedback from colleagues across healthcare, the authors examine how metacognition – or thinking about thinking – can provide a toolkit with which to improve the decision-making of all healthcare professionals. The rise of digital tools and AI-based clinical support systems makes this a critical time to grasp how human decision-makers operate and how to best harness the increasing volume of healthcare data available.

CRC Press  
July 2024:256  
Pb: 978-0-367-34088-9: £29.99  
Hb: 978-0-367-34089-6: £99

\* For full contents and more information, visit: [www.routledge.com/9780367340889](http://www.routledge.com/9780367340889)

3RD EDITION

## 100 Cases in Obstetrics and Gynaecology



**Cecilia Bottomley** Consultant in Obstetrics and Gynaecology, Chelsea and Westminster NHS Trust, London, UK, **Ruth MacSwan**, **Janice Rymer**

Series: 100 Cases

100 Cases in Obstetrics and Gynaecology presents 100 obstetric- or gynaecology-related scenarios commonly seen by medical students and junior doctors in the emergency department, outpatient clinic, or on the ward. A succinct summary of the patient's history, examination, and initial investigations—including photographs where relevant—is followed by questions on the diagnosis and management of each case. The answer includes a detailed discussion on each topic, with further illustration where appropriate, providing an essential revision aid as well as a practical guide for students and junior doctors.

CRC Press

September 2024:312

Pb: 978-1-032-39773-3: £24.99

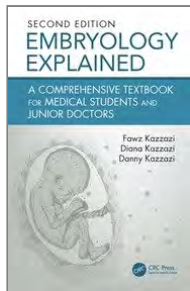
Hb: 978-1-032-48007-7: £64.99

\* For full contents and more information, visit: [www.routledge.com/9781032397733](http://www.routledge.com/9781032397733)

2ND EDITION

## Embryology Explained

A Comprehensive Textbook for Medical Students & Junior Doctors



**Fawz Kazzazi**, **Diana Kazzazi**, **Danny Kazzazi**

An essential guide to embryology for medical students and junior doctors, enriched with original illustrations help readers to that navigate the complexities of embryonic development. This refreshingly simple text highlights the practical clinical applications of embryology, making it more pertinent and accessible to a wide medical audience. Each chapter is organized into four main sections—embryology, clinical relevance, molecular details, and key points—allowing learners to efficiently review and connect the material with their specific academic and exam requirements. It is an easy-to-read and comprehensive textbook that will explain embryology for you!

CRC Press

January 2025:180

Pb: 978-1-032-76666-9: £34.99

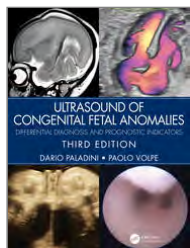
Hb: 978-1-032-76664-5: £99.99

\* For full contents and more information, visit: [www.routledge.com/9781032766669](http://www.routledge.com/9781032766669)

3RD EDITION

## Ultrasound of Congenital Fetal Anomalies

Differential Diagnosis and Prognostic Indicators



**Dario Paladini** Gaslini Children's Hospital, Genoa, Italy, **Paolo Volpe**

An acclaimed overview of ultrasound for the prenatal diagnosis of congenital anomalies returns in a new enlarged edition. In particular, the coverage of both Central Nervous System congenital and acquired anomalies as well as Congenital Heart Disease has been expanded enormously, to make this an impressive comprehensive resource for Fetal Neurology and Fetal Cardiology. Together with additional new chapters on guidelines and protocols, equipment, and disorders of sexual differentiation, and new insight into fetal surgery procedures, this third edition almost becomes three books in one.

CRC Press

June 2024:730

Hb: 978-0-367-49950-1: £200

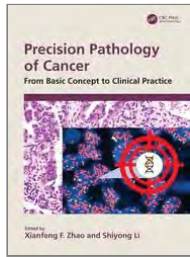
eBook: 978-1-003-04826-8

\* For full contents and more information, visit: [www.routledge.com/9780367499501](http://www.routledge.com/9780367499501)



## Precision Pathology of Cancer

From Basic Concept to Clinical Practice



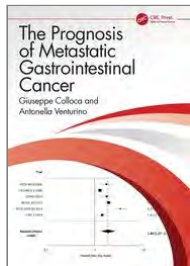
*Edited by* **Xianfeng F. Zhao** University of Tennessee Health Science Center College of Medicine, USA, **Shiyong Li** Emory University School of Medicine, Atlanta, USA

This text covers both basic concepts (the role of the precision pathologist, ethical issues, molecular basis, tools used in precision pathology, and specimen procurement) and clinical practice (the precise genes/pathways, ongoing clinical trials, therapeutics, pharmacogenomics, pharmacoproteomics, and pharmacometabolomics) in precision pathology of cancer.

CRC Press  
October 2024:192  
Hb: 978-1-032-84486-2: £150

\* For full contents and more information, visit: [www.routledge.com/9781032844862](http://www.routledge.com/9781032844862)

## The Prognosis of Metastatic Gastrointestinal Cancer



**Giuseppe A. Colloca** Oncologia Medica & Innovation, Imperia, Italy, **Antonella Venturino** Oncologia Medica & Innovation, Imperia, Italy

The purpose of this book is to systematize the evidence regarding the prognostic factors of metastatic gastrointestinal tumors, separating the findings with the highest level of evidence among those available for each disease by selecting studies with the highest scientific evidence level.

CRC Press  
August 2024:254  
Pb: 978-1-032-69971-4: £74.99  
Hb: 978-1-032-70334-3: £150

\* For full contents and more information, visit: [www.routledge.com/9781032699714](http://www.routledge.com/9781032699714)

## Introduction to Vision Training



**Nadia Jankielsohn**

This book addresses the limited information about vision training and the importance of having knowledge of superior visual skills in our everyday, individualised environment like the classroom, workspace, and sports setting. It explains the tests that an eye care professional can do to determine the level of a patient/athlete's visual skills to regulate where improvement needs to be done. Written in a concise manner and supplemented with insightful visual materials, the book will allow the reader to formulate an individualised program according to the needs of the patient/athlete.

CRC Press

October 2024:240

Pb: 978-1-032-77325-4: **£42.99**

Hb: 978-1-032-79441-9: **£110**

\* For full contents and more information, visit: [www.routledge.com/9781032773254](http://www.routledge.com/9781032773254)

## Keratoconus

Optical and Surgical Management



*Edited by* **Mehrdad Mohammadpour , Masoud Khorrami- Nejad**

This is an updated and comprehensive treatise on optical, medical and surgical management of keratoconus with an exclusive panoramic view of all existing modalities for confronting serious disabling morbidity affecting people in their youth. Early diagnosis and proper treatment can salvage vision and help patients to get back to their routines and enhance their quality of life. The contents include optical and glass prescription, and contact lens fitting, cxi alone and combined surgeries, phakic IOLs, and corneal transplantation. The illustrated and organized 360 degrees approach makes this a must-have manual for ophthalmology trainees, fellows, and professionals.

CRC Press

October 2024:320

Pb: 978-1-032-44323-2: **£74.99**

Hb: 978-1-032-44325-6: **£190**

\* For full contents and more information, visit: [www.routledge.com/9781032443232](http://www.routledge.com/9781032443232)

## Postgraduate Ophthalmology Exam Success



**Maneck Nicholson , Anjali Nicholson , Syed Faraaz Hussain**

*Series: MasterPass*

This book provides a core revision resource for candidates preparing for ophthalmology exams in a direct and logical format. Covering not just Ophthalmology instruments, drugs, emergencies, charts, etc. in detail, but also the related questions that such viva exams may ultimately lead to, like the community, legal and ethical aspects. Ophthalmic specialist trainees, residents, and speciality doctors will find this book to be an essential guide to revising for oral and clinical-based exams in Ophthalmology.

CRC Press

September 2024:320

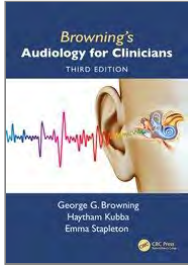
Pb: 978-1-032-59274-9: **£52.99**

Hb: 978-1-032-59662-4: **£140**

\* For full contents and more information, visit: [www.routledge.com/9781032592749](http://www.routledge.com/9781032592749)

3RD EDITION

## Browning's Audiology for Clinicians



George Browning, Emma Stapleton, Haytham Kubba

This book is a practical guide to interpreting audiometric tests, alongside the clinical assessment, to make sound evidence-based decisions in the clinical management of adults and children with ear conditions. This third edition of a popular and classic text is an essential revision aid for ENT trainees preparing for specialist examinations including the FRCS (ORL-HNS). Fully updated and well-illustrated, it provides up-to-date content on the management of a wide range of ear conditions and will be of interest to the whole multi-disciplinary team including audiologists, audiological scientists, audiological physicians, private hearing aid providers and speech and language therapists.

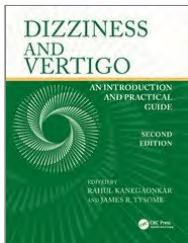
CRC Press  
November 2024:200  
Pb: 978-1-032-55412-9: £49.99  
Hb: 978-1-032-56758-7: £99.99

\* For full contents and more information, visit: [www.routledge.com/9781032554129](http://www.routledge.com/9781032554129)

2ND EDITION

## Dizziness and Vertigo

An Introduction and Practical Guide



Edited by **Rahul G. Kanegaonkar** Medway Maritime Hospital, Kent, UK, **James R. Tysome** Cambridge University Hospitals, UK

Dizziness and Vertigo provides practitioners with a comprehensive overview of dizziness and vertigo, steps for diagnosing patients, and various treatment options. This new edition provides a framework for the accurate diagnosis and management of patients with dizziness and vertigo, covering clinical assessments and case studies. It includes new methods for treating Meniere's Disease, Benign Paroxysmal Positional Vertigo (BPPV) and in the field of Vestibular Rehabilitation. Dizziness and Vertigo is an essential reference for all those who manage patients in the outpatient setting, including general practice trainees, ENT specialists and physiotherapists.

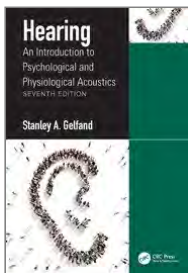
CRC Press  
June 2024:186  
Pb: 978-1-032-38351-4: £42.99  
Hb: 978-1-032-38824-3: £110  
eBook: 978-1-003-34696-8

\* For full contents and more information, visit: [www.routledge.com/9781032383514](http://www.routledge.com/9781032383514)

7TH EDITION

## Hearing

An Introduction to Psychological and Physiological Acoustics



**Stanley A. Gelfand** Queens College of CUNY, Flushing, New York, USA

This fully revised and updated seventh edition provides a thorough overview and induction to hearing science. Covering topics such as conductive and cochlear mechanisms, auditory pathways, and binaural and spatial hearing and including some new and updated diagrams and figures, this book serves as a great resource for both graduate students and professionals working in audiology and other fields like psychology, neuroscience, otolaryngology and linguistics. This improved edition reflects the ever-changing field of hearing science.

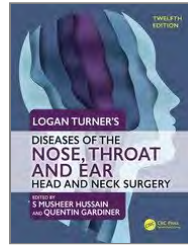
CRC Press  
November 2024:380  
Pb: 978-1-032-64522-3: £115  
Hb: 978-1-032-53967-6: £230

\* For full contents and more information, visit: [www.routledge.com/9781032645223](http://www.routledge.com/9781032645223)

12TH EDITION

## Logan Turner's Diseases of the Nose, Throat and Ear

Head and Neck Surgery, 12th Edition



Edited by **S Musheer Hussain**, **Quentin Gardiner**

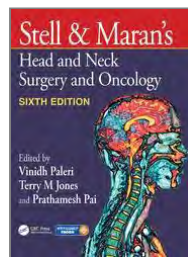
This classic ENT textbook has been updated and expanded to reflect the increasing sophistication of diagnostic and management skills. New material includes a chapter on Middle Ear Devices and information on recent technical advances, including brand new implant devices. Each chapter includes key learning points, up-to-date references, and suggestions for further reading. Many chapters benefit from updated figures which provide clarity and enhance the effectiveness of the text. ENT trainees and other practitioners with an interest in otorhinolaryngology will find this all-purpose textbook ideal for a thorough understanding of the specialty.

CRC Press  
September 2024:720  
Pb: 978-1-138-36620-6: £69.99  
Hb: 978-1-138-36643-5: £175

\* For full contents and more information, visit: [www.routledge.com/9781138366206](http://www.routledge.com/9781138366206)

6TH EDITION

## Stell & Maran's Head and Neck Surgery and Oncology



Edited by **Vinidh Paleri**, **Terry M. Jones**, **Prathamesh Pai**

The knowledge base required of the modern day head and neck surgeon, as a key member of a comprehensive and wide-ranging multi-disciplinary team, is significant. The sixth edition of Stell & Maran's Head and Neck Surgery and Oncology continues to be the leading reference book in the specialty. With contributions from the full spectrum of the multidisciplinary team, this book will also be a major up-to-date resource for both trainees and established practitioners in otolaryngology, maxillofacial surgery, plastic surgery, endocrine surgery, clinical oncology, oncology nursing and those professions allied to medicine, such as speech and language therapy, and dietetics.

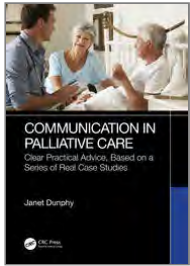
CRC Press  
December 2024:1050  
Hb: 978-1-032-84049-9: £250

\* For full contents and more information, visit: [www.routledge.com/9781032840499](http://www.routledge.com/9781032840499)

2ND EDITION

## Communication in Palliative Care

Clear Practical Advice, Based on a Series of Real Case Studies



**Janet Dunphy** Retired Clinical Nurse Specialist & teacher in Palliative Care, UK

This practical, thought-provoking guide provides the unemotional, clear, and accurate advice necessary for communicating with patients in a palliative care setting - a pivotal aspect of being a palliative care expert that is so difficult to quantify and teach. It uses genuine anecdotes and case-studies to bring theory to life and assist in everyday application.

CRC Press

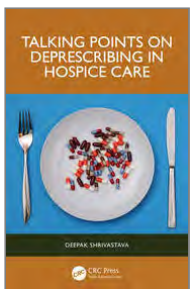
October 2024:160

Pb: 978-1-032-54757-2: **£34.99**

Hb: 978-1-032-54759-6: **£99.99**

\* For **full contents** and more information, visit: [www.routledge.com/9781032547572](http://www.routledge.com/9781032547572)

## Talking Points on Deprescribing in Hospice Care



**Deepak Shrivastava** UC Davis School of Medicine, Sacramento, California, USA

Deprescribing practice in hospice medicine has expanded exponentially in recent years. This book systematically addresses the groups of extremely useful medications to manage chronic disease conditions and prevent complications. It highlights the positive intervention of reducing polypharmacy, improving a terminally ill patient's quality of life, providing individual patient context and helping clinicians in deprescribing. It discusses good ethics, patient wishes and side effect protocols to discontinue no longer relevant medications, thus improving decision-making with the goal of enhancing the patient's quality of life during the time when it is needed the most.

CRC Press

April 2024:189

Pb: 978-1-032-49105-9: **£22.99**

Hb: 978-1-032-49108-0: **£56.99**

eBook: 978-1-003-39214-9

\* For **full contents** and more information, visit: [www.routledge.com/9781032491059](http://www.routledge.com/9781032491059)



## Cadaver Dissection with Clinical Applications



**Seth Gardner** Lake Erie College of Osteopathic Medicine, USA

Cadaver Dissection with Clinical Applications is written for students in a professional program that have been given the privilege of dissecting their own cadaver. It discusses dissection techniques, what structures to look for in a particular region and various pitfalls to avoid in the process.

CRC Press  
June 2024:168  
Hb: 978-1-032-27021-0: £125  
eBook: 978-1-003-29090-2

\* For full contents and more information, visit: [www.routledge.com/9781032270210](http://www.routledge.com/9781032270210)

10TH EDITION

## Greenfield's Neuropathology 10e Set



*Edited by* **Colin Smith** Centre for Clinical Brain Sciences, Scotland, **Arie Perry**, **Gabor Kovacs** University of Toronto, Canada, **Thomas Jacques** UCL GOS Institute of Child Health, UK; Great Ormond Street Hospital for Children NHS Foundation Trust, UK

Greenfield's is the world's leading neuropathology reference. The two volume work provides a comprehensive account of the pathological findings in neurological disease, their biological basis, and their clinical manifestations. The key reference for scientists, clinicians, researchers, and students who wish to learn about neurological disease. The tenth edition features fully updated sections covering CNS tumours, neurodegeneration, skeletal muscle, epilepsy, paediatric and forensic neuropathology. Expert coverage from an international team of Editors and contributors ensures authoritative and up to date content. The two volume set includes a downloadable and easily used e-version.

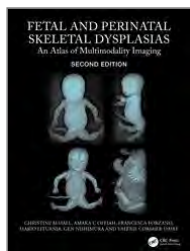
CRC Press  
September 2024:2314  
Hb: 978-0-367-89508-2: £495

\* For full contents and more information, visit: [www.routledge.com/9780367895082](http://www.routledge.com/9780367895082)

2ND EDITION

## Fetal and Perinatal Skeletal Dysplasias

An Atlas of Multimodality Imaging



**Christine M Hall , Amaka C Offiah , Francesca Forzano , Mario Lituania , Gen Nishimura , Valerie Cormier-Daire**

This atlas is intended to give all relevant clinicians a thorough insight into conditions (and variants) of skeletal dysplasias. Clinical and imaging findings are properly illustrated, enriched by updated genetic information. This acclaimed text returns in a revised form, with updated material particularly on the new knowledge surrounding the genetic basis and mechanism for the various skeletal dysplasias. No clinician dealing with fetal or neonatal skeletal diagnosis or treatment will want to be without access to the wealth of illustrations and detail condensed here.

CRC Press  
July 2024:700  
Hb: 978-0-367-76443-2: £170  
eBook: 978-1-003-16694-8

\* For full contents and more information, visit: [www.routledge.com/9780367764432](http://www.routledge.com/9780367764432)

3RD EDITION

## Great Ormond Street Handbook of Paediatrics

An Illustrated Guide



*Edited by* **Stephen D. Marks , Simon Blackburn , Stephan Strobel**

*Series:* *Great Ormond Street Handbook Series*

The product of a world centre of excellence in teaching and medical and surgical practice, this new edition of a bestseller has been revised throughout for easier quick reference. Building on the range of expertise showcased in the previous editions, this text incorporates updated material and new figures to helpfully illustrate clinical features and epidemiology. This compact volume offers expert knowledge useful for trainees and professional clinicians in other disciplines.

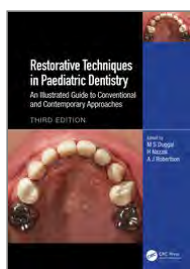
CRC Press  
December 2024:640  
Pb: 978-1-032-00687-1: £79.99  
Hb: 978-1-032-00691-8: £145

\* For full contents and more information, visit: [www.routledge.com/9781032006871](http://www.routledge.com/9781032006871)

3RD EDITION

## Restorative Techniques in Paediatric Dentistry

An Illustrated Guide to Conventional and Contemporary Approaches



*Edited by* **M S Duggal , H Nazzal , A J Robertson**

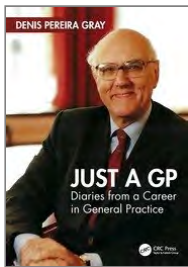
One of the first books on the market to illustrate the various clinical techniques for restoration, this revised and updated new edition offers new material on treatment planning, local analgesia, biomaterials, biological and contemporary approaches, and aesthetic crowns. The book addresses the specific needs of the paediatric patient and helps the clinician manage the restoration with those needs in mind. As a classic volume, it is essential for every dentist working with children and adolescent patients.

CRC Press  
May 2024:163  
Hb: 978-1-032-13230-3: £150  
eBook: 978-1-003-27364-6

\* For full contents and more information, visit: [www.routledge.com/9781032132303](http://www.routledge.com/9781032132303)

## Just a GP

Diaries from a Career in General Practice



### Denis Pereira Gray

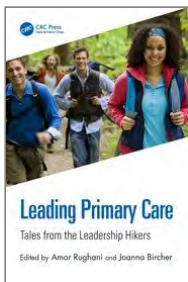
This autobiography from Sir Denis Pereira Gray offers a unique insight into the life and career of a hugely distinguished and influential general practitioner, from what led him to study medicine, learning his craft in the 1960s, through years of clinical practice and research to senior leadership roles within and outside the Royal College of General Practitioners. Both informative and inspirational, Just a GP is an essential read for many who have journeyed through the profession with Sir Denis and those who are in the midst of or contemplating a career in general practice today.

CRC Press  
July 2024:482  
Pb: 978-1-032-52272-2: **£34.99**  
Hb: 978-1-032-71359-5: **£145**

\* For full contents and more information, visit: [www.routledge.com/9781032522722](http://www.routledge.com/9781032522722)

## Leading Primary Care

Tales from the Leadership Hikers



*Edited by* **Amar Rughani** Former General Practitioner and Associate Postgraduate Dean, Yorkshire and the Humber, UK, **Joanna Bircher** General Practitioner, Clinical Director Greater Manchester GP Excellence Programme, Manchester, UK

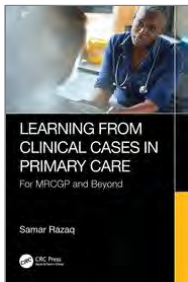
This new book of leadership narratives fleshes out the reality of working to achieve change in primary care and will be relevant to a wide primary care audience, empowering both clinicians and non-clinicians to recognize and use their leadership qualities. The book draws together stories from a wide range of primary care practitioners who work at different levels from junior to senior, and both in practice and at scale, to show how they used their leadership in primary care, the difficulties they faced and the lessons they learned.

CRC Press  
May 2024:196  
Pb: 978-1-032-21899-1: **£26.99**  
Hb: 978-1-032-21901-1: **£99.99**  
eBook: 978-1-003-27049-2

\* For full contents and more information, visit: [www.routledge.com/9781032218991](http://www.routledge.com/9781032218991)

## Learning from Clinical Cases in Primary Care

For MRCGP and Beyond



### Samar Razaq

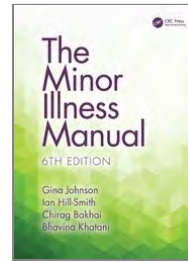
This new book is designed around twenty clinical cases, each representative of scenarios encountered by doctors who work in primary care and which will prompt learning in related issues surrounding each clinical scenario. Each case description concludes with an initial exam style question which MRCGP candidates will recognise as being directed towards learning for the Applied Knowledge Test (AKT). An expanded answer to that initial question is followed by a detailed explanation, concluding with further questions for self-assessment and reflection.

CRC Press  
October 2024:180  
Pb: 978-1-032-57720-3: **£34.99**  
Hb: 978-1-032-58357-0: **£99.99**

\* For full contents and more information, visit: [www.routledge.com/9781032577203](http://www.routledge.com/9781032577203)

6TH EDITION

## The Minor Illness Manual



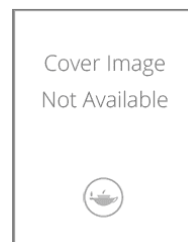
**Gina Johnson** National Minor Illness Centre, Luton, UK,  
**Ian Hill-Smith** National Minor Illness Centre, Luton, UK,  
**Chirag Bakhai** National Minor Illness Centre, Luton, UK,  
**Bhavina Khatani**

This sixth edition of the best-selling Minor Illness Manual has been completely revised and updated to include the latest clinical guidance and prescribing information, with a reworked introductory chapter reflecting the changing demands of primary care and a new chapter added on pandemics.

CRC Press  
May 2024:256  
Pb: 978-1-032-54694-0: **£54.99**  
eBook: 978-1-032-61652-0

\* For full contents and more information, visit: [www.routledge.com/9781032546940](http://www.routledge.com/9781032546940)

## The Role of Vitamins in Combating Infectious Viral Diseases



*Edited by* **Aditya Arya** National Institute of Malaria Institute (NIMR), ICMR Lab Dwarka, Delhi, India, **Rakesh Kaushik**

This book highlights the role of vitamins in preventing or reducing the pathogenesis or treatment of infectious viral diseases based on current ongoing research and past work. Using clinical evidence and trials that suggest the potential benefits of vitamin supplementation as prophylactic and therapeutic in infectious viral diseases, each individual vitamin is described in this context in separate chapters. It will be a valuable reference aid to researchers, clinicians, and medical bodies to develop improved therapeutic regimens.

CRC Press  
November 2024:168  
Pb: 978-1-032-56327-5: **£44.99**  
Hb: 978-1-032-56471-5: **£110**

\* For full contents and more information, visit: [www.routledge.com/9781032563275](http://www.routledge.com/9781032563275)

## What do I say next? Everyday Mental Health Conversations in Primary Care

A Practical Guide



**Sophie Jadwiga Ball, Liz Moulton**

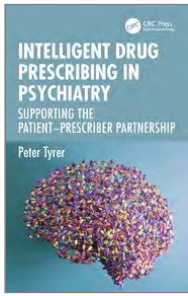
A significant problem experienced by some GPs and many trainees is the challenge of completing a useful and safe consultation with patients with mental health problems within the constraints of a standard-length appointment. These challenges may arise from a lack of specific expertise in this area, poor training in the relevant skills and, perhaps, the attitude that there is not much that the primary care practitioner can do to help. This new book focuses on enhancing the repertoire of communication skills available for mental health consultation. Essential reading for all primary care practitioners in training and in practice.

CRC Press  
July 2024:266  
Pb: 978-1-032-51318-8: **£26.99**  
Hb: 978-1-032-52917-2: **£66.99**

\* For full contents and more information, visit: [www.routledge.com/9781032513188](http://www.routledge.com/9781032513188)

## Intelligent Drug Prescribing in Psychiatry

Supporting the Patient-Prescriber Partnership



### Peter Tyrer

This new book describes how to bring patient and prescriber together in an active partnership for better understanding of the positive and negative elements of drug prescription, drawing on the author's distinguished career in front-line psychiatric practice. At present there is a gap between doctor and patient expectations, but balanced decision-making with joint involvement is needed to separate the drugs that are needed regularly to maintain health, those that are only needed when required, and those that are mere fashion accessories. The consequence of a better partnership will be less over-prescribing, a reduction of polypharmacy, and a lessened need for deprescribing.

CRC Press

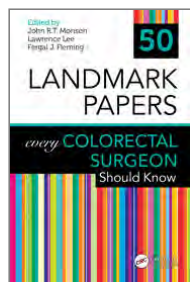
September 2024: 200

Pb: 978-1-032-60980-5: **£22.99**

Hb: 978-1-032-61900-2: **£99.99**

\* For full contents and more information, visit: [www.routledge.com/9781032609805](http://www.routledge.com/9781032609805)

## 50 Landmark Papers every Colorectal Surgeon Should Know



Edited by **John R.T. Monson**, **Lawrence Lee**, **Fergal J. Fleming**

Series: *50 Landmark Papers*

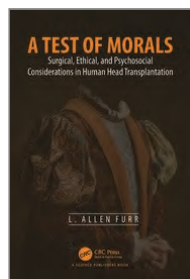
This book identifies the 50 key scientific articles in the field of Colorectal Surgery and through expert reflections and editorial perspectives explains why these papers are important. Influential contributors who have shaped the practice of modern Colorectal Surgery comment on the Landmark Papers that have defined the specialty. This an invaluable reference for trainees, fellows, and surgeons studying for exams, as well as for seasoned surgeons who want to stay current in their field.

CRC Press  
August 2024:280  
Pb: 978-0-367-20210-1: **£34.99**  
Hb: 978-0-367-25042-3: **£145**

\* For full contents and more information, visit: [www.routledge.com/9780367202101](http://www.routledge.com/9780367202101)

## A Test of Morals

Surgical, Ethical, and Psychosocial Considerations in Human Head Transplantation



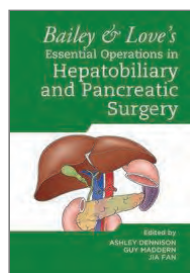
L. Allen Furr Auburn University, USA

While transplanting human heads is not a new concept, the idea has largely been relegated to religious lore or as a plot device in science fiction. But now, a surgical plan to perform the complex procedure exists, and though most physicians question head transplantation's medical veracity, bioethicists have challenged the surgery on moral grounds. *A Test of Morals* compiles and examines the ethical questions that dog those who advocate for conducting this most radical of medical proposals in order to determine if society should move forward and allow head transplantation to occur.

CRC Press  
May 2024:156  
Hb: 978-1-032-43366-0: **£110**  
eBook: 978-1-003-36701-7

\* For full contents and more information, visit: [www.routledge.com/9781032433660](http://www.routledge.com/9781032433660)

## Bailey & Love's Essential Operations in Hepatobiliary and Pancreatic Surgery



Edited by **Ashley Dennison** Leicester General Hospital, Leicestershire, **Guy Maddern** University of Adelaide, The Queen Elizabeth Hospital, Adelaide, Australia, **Jia Fan** Zhongshan Hospital, Fudan University, China

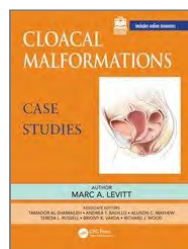
Series: *Bailey & Love's Essential Operations*

*Bailey & Love's Essential Operations in Hepatobiliary and Pancreatic Surgery* provides step by step explanations of both the core operations and more complex procedures. Written by acknowledged experts and trainers from around the world, and with abundant diagrams and figures to explain the operative steps, this new resource will enable hepatobiliary and pancreatic surgeons to increase their skills in this demanding and technically challenging field. Over 70 easy to read chapters provide surgeons with the information they need, and in the process help to increase their clinical judgement, their experience, and their technical skills.

CRC Press  
November 2024:600  
Pb: 978-0-367-46879-8: **£99.99**  
Hb: 978-0-367-53000-6: **£250**

\* For full contents and more information, visit: [www.routledge.com/9780367468798](http://www.routledge.com/9780367468798)

## Cloacal Malformations: Case Studies



Edited by **Marc Levitt** Chief of Colorectal and Pelvic Reconstruction Surgery, Children's National Medical Center, Washington DC, USA

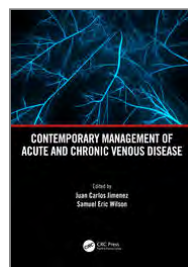
Series: *Pediatric Colorectal Surgery*

A comprehensive account of all elements of care for the cloaca patient, from pre-operative evaluation to the long-term management of patients with cloacal malformations. Case studies provide valuable insights into a range of clinical scenarios, never previously categorized in this way. Fully illustrated, in color, and with further resources available online, this is a unique resource for all clinicians within the pediatric team caring for patients with cloacal malformations. Specialists across numerous fields will find this practical clinical text to be an invaluable resource when dealing with the complex needs of the cloaca patient.

CRC Press  
April 2024:290  
Pb: 978-1-032-21547-1: **£99.99**  
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eBook: 978-1-003-27544-2

\* For full contents and more information, visit: [www.routledge.com/9781032215471](http://www.routledge.com/9781032215471)

## Contemporary Management of Acute and Chronic Venous Disease



Edited by **Juan Carlos Jimenez**, **Samuel Eric Wilson**

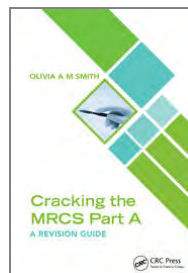
With a focus on evidence based, contemporary and clinically relevant information, this practical new resource provides a concise, clinical, and techniques-focused guide to the medical, endovenous, and surgical management of patients with acute and chronic venous disease. In this guide, internationally recognised chapter authors cover the general principles of the pathophysiology, diagnosis, indications and decision making around the management of acute and chronic venous disease. Vascular surgeons and trainees will find this an invaluable resource, providing insights into key techniques and approaches to the treatment of acute and chronic venous disorders.

CRC Press  
June 2024:292  
Pb: 978-1-032-32702-0: **£74.99**  
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A Revision Guide



**Olivia A M Smith** Hull York Medical School, UK

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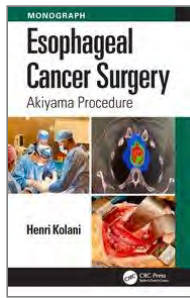
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Akiyama Procedure



**Henri Kolani**

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CRC Press

August 2024:139

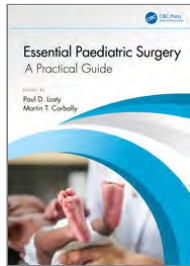
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CRC Press

June 2024:570

Pb: 978-1-032-00573-7: £94.99

Hb: 978-1-032-02192-8: £240

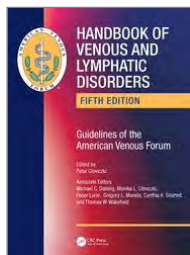
eBook: 978-1-003-18229-0

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5TH EDITION

## Handbook of Venous and Lymphatic Disorders

Guidelines of the American Venous Forum



*Edited by* **Peter Gloviczki** Mayo Clinic, Rochester, MN, USA. Editor-in-Chief, Journal of Vascular Surgery.

Written by the world's foremost venous experts, leaders of the American Venous Forum, and international authorities, the Handbook has become the most important reference for both day-to-day management and investigation of venous and lymphatic disorders. The 5th edition covers the full spectrum of acute and chronic venous disorders, chronic lymphedema and chylous complications. New or entirely revised chapters discuss in detail basic considerations, diagnostic evaluation, management of acute venous thrombosis and chronic venous disorders, including deep venous disease and venous ulcers.

CRC Press

June 2024:894

Hb: 978-1-032-35567-2: £190

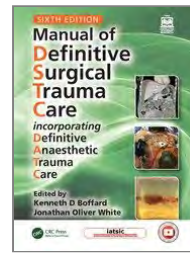
eBook: 978-1-003-32897-1

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6TH EDITION

## Manual of Definitive Surgical Trauma Care

Incorporating Definitive Anaesthetic Trauma Care



*Edited by* **Kenneth D Boffard** BSc(Hons) FRCS FRCPS FCS(SA), Emeritus Prof, Dept of Surgery, Milpark Hospital and University of the Witwatersrand, SA, **Jonathan White** Copenhagen University Hospital, Copenhagen, Denmark

Developed for the International Association for Trauma Surgery and Intensive Care (IATSIIC), the Manual of Definitive Surgical Trauma Care 6e is ideal for training all surgeons who encounter major surgical trauma on an infrequent basis. Reflecting the experience of authors whose knowledge and practical expertise is unrivalled, it focuses on integrated simultaneous care with clinicians working as a team around the patient. It includes website access to a selection of videos which provide an anatomic overview of surgical approaches.

CRC Press

June 2024:574

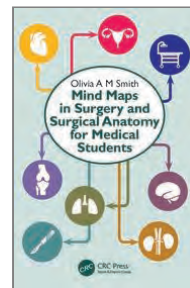
Pb: 978-1-032-15781-8: £64.99

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CRC Press

November 2024:220

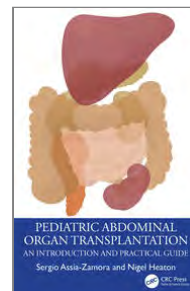
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An Introduction and Practical guide



**Sergio Assia-Zamora** King's College Hospital, U.K., **Nigel Heaton** King's College Hospital, U.K.

Pediatric abdominal organ transplantation is a complex procedure that requires a multidisciplinary team. This book highlights the surgical point of view of these transplantations, including the kidney, liver, pancreas, and small bowel. It is intended to deepen the knowledge of these type of transplants for medical students, nurses, doctors, anaesthetists. This book will serve to expand the understanding the general concepts of pediatric abdominal transplantation, indications, surgical procedure, and complications of each type of graft for all multidisciplinary team members.

CRC Press

June 2024:138

Pb: 978-1-032-37132-0: £42.99

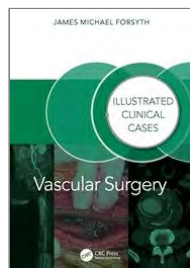
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Illustrated Clinical Cases



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CRC Press

November 2024: 168

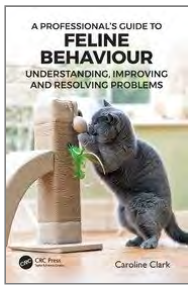
Pb: 978-1-032-80481-1: **£49.99**

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Understanding, Improving and Resolving Problems



**Caroline Clark** Clinical Animal Behaviorist

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CRC Press

September 2024:200

Pb: 978-1-032-17199-9: £36.99

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## Omic Approaches in Veterinary Parasitology

Diagnosis, Biomarkers, and Drug Development



*Edited by* **Muhammad Sohail Sajid**, **Hafiz Muhammad Rizwan**

This book explores applications of omics approaches for diagnosis, biomarker discovery, and drug development against parasites of veterinary importance. It presents the fundamental principles of parasite biology and their complex physiological processes. The chapters review key aspects such as parasite life cycles, host-parasite interactions, and the molecular mechanisms that underlie parasitic diseases.

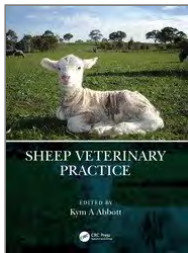
CRC Press

December 2024:232

Hb: 978-1-032-64445-5: £81.99

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This new edition thoroughly revises and expands on the previous text, adding a review of the systems and strategies available to improve the welfare of sheep in extensive farming systems, a chapter on pain relief, analgesia and anaesthesia for sheep, and a chapter on metacestodes. The text is illustrated with more than 150 full-colour images and photographs.

CRC Press

August 2024:564

Pb: 978-1-032-38283-8: £120

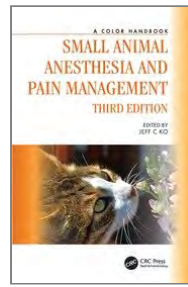
Hb: 978-1-032-38288-3: £290

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3RD EDITION

## Small Animal Anesthesia and Pain Management

A Color Handbook



*Edited by* **Jeff C. Ko** College of Veterinary Medicine, Purdue University, USA

*Series: Veterinary Color Handbook Series*

Small Animal Anesthesia and Pain Management is a thoroughly updated and much expanded third edition that provides comprehensive coverage of the world of veterinary anesthesia and pain management. This clinically focused text draws upon practical experience and clinical evidence from various sources. It provides drug dosages and anesthetic protocols in tabular form, complemented by over 400 illustrations that enhance comprehension and visual clarity. These chapters shine a spotlight on a newly approved drug, showcasing the practical application of Zenalpa® (medetomidine and vatinoxan) for a range of sedative and anesthetic combinations in dogs and cats.

CRC Press

November 2024:520

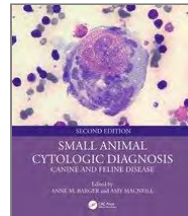
Hb: 978-1-032-40589-6: £120

\* For full contents and more information, visit: [www.routledge.com/9781032405896](http://www.routledge.com/9781032405896)

2ND EDITION

## Small Animal Cytologic Diagnosis

Canine and Feline Disease



*Edited by* **Anne M. Barger** University of Illinois, Urbana, USA, **Amy L. MacNeill** University of Illinois, Urbana, USA

This second edition of Small Animal Cytologic Diagnosis presents clinically applicable information about the use of cytology in small animals and indicates when advanced diagnostic testing can be beneficial to diagnose underlying disease processes. It includes more images, additional cases, and a new user-friendly chapter organization.

CRC Press

September 2024:552

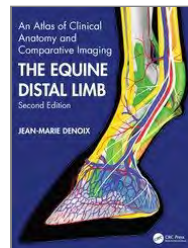
Hb: 978-1-032-19297-0: £125

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## The Equine Distal Limb

An Atlas of Clinical Anatomy and Comparative Imaging



**Jean-Marie Denoix**

This new edition replaces existing ultrasound images and most of the radiographic and MRI images with new, updated versions and adds new images of extraordinarily high quality, the multiple views of each area of the distal limb providing an extremely detailed evaluation. The diagnosis and management of distal limb lameness require a precise knowledge of the functional anatomy and biomechanics of the equine distal joints, ligaments and tendons which are presented in the last chapter. The book is designed for maximum clarity using a generous page size. The atlas is essential for anybody involved in detailed anatomical study, complex lameness evaluation or advanced imaging techniques.

CRC Press

October 2024:462

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