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Medicine and Veterinary Medicine Catalogue 2022

January - June
New and Forthcoming Titles



Welcome

Welcome to the January - June 2022 Medicine and Veterinary Medicine Catalogue.

The Medicine collection is divided into clinical medicine, general reference, medical education, revision guides, and surgery. Publications span the full spectrum of internal medical and surgical specialties, and cover anaesthesiology, paediatrics, radiology, obstetrics, gynaecology, and pathology. Revision guides support medical students and trainee doctors through qualifying examinations, while general references are of interest throughout professional practice.

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5G Impact on Biomedical Engineering

Wireless Technologies Applications

Edited by **Abdallah Makhoul, Jacques Demerjian and Jacques Bou Abdo**

Series: Prospects in Biomedical Engineering and Applications

Considering the importance of wireless networks in healthcare, this book is dedicated to studying the innovations and advancements of wireless networks for biomedical application and their impact. This book focuses on a wide range of wireless technologies related to healthcare and biomedical applications which include, among others, body sensor networks, mobile networks, internet of things, mobile cloud computing, pervasive computing and wearable computing. This book targets research-oriented and professional readers. It would fit as a recommended supplemental reading for graduate students. It also helps researchers enter the field of wireless biomedical applications.

CRC Press

Market: Biomedical Engineering
December 2021: 6.14 x 9.21: 176pp
Hb: 978-0-367-52384-8: **£120.00**
eBook: 978-1-003-05843-4

* For full contents and more information, visit: www.routledge.com/9780367523848

Advanced Microfluidics Based Point-of-Care Diagnostics

A Bridge Between Microfluidics and Biomedical Applications

Edited by **Raju Khan, Chetna Dhand, Sunil Kumar Sanghi, D. Shabi Thankaraj Salammal and Ashtbhuj Prasad Mishra**

This book provides a well-focused and comprehensive overview of novel technologies involved in advanced microfluidics based diagnosis via various types of prognostic and diagnostic biomarkers. Moreover, it also contains detailed descriptions on the diagnosis of novel techniques. This book would serve as a guide for students, scientists, researchers, and microfluidics based point of care technologies via smart diagnostics and to plan future research in this valuable field.

CRC Press

Market: Biotechnology
March 2022: 6.14 x 9.21: 300pp
Hb: 978-0-367-46160-7: **£140.00**
eBook: 978-1-003-03347-9

* For full contents and more information, visit: www.routledge.com/9780367461607

Advanced Nanocarbon Materials

Applications for Health Care

Edited by **Sarika Verma, Raju Khan and Avanish Kumar Srivastava**, CSIR - National Physical Laboratory, New Delhi, India

This book provides a well-focused and comprehensive overview of the history and background of nanocarbon based materials like carbon nanotubes, graphene, and fullerenes. The authors focus on their use in therapeutic agents, their role in diagnostics and analysis in medicine, as well as biosensors, as well as uses in gene and drug delivery. This book encompasses a combinatorial approach of medical science, engineering and biomedical technology. The book also provides a comprehensive overview of the novel technologies involved in this area. This book would serve as a guide for students, scientists and researchers working in the biomedical field.

CRC Press

Market: Biomedical Engineering
April 2022: 6.14 x 9.21: 216pp
Hb: 978-0-367-62054-7: **£99.99**
eBook: 978-1-003-11078-1

* For full contents and more information, visit: www.routledge.com/9780367620547

Agricultural Biotechnology, Biodiversity and Bioresources Conservation and Utilization

Edited by **Olawole O. Obembe**, Plant Biotechnology, Covenant University Ota, Nigeria, **Emmanuel Olufemi Ekundayo**, Michael Okpara University of Agriculture, Umudike, Nigeria, **Arinze Stanley Okoli**, Genoek - Centre for Biosafety, Universitetet II, Breivika, Tromsø, Norway, **Abubakar Gidado**, Director North-East Zonal Biotechnology Centre of Excellence at University of Maiduguri, Nigeria, **Charles Oluwaseun Adetunji**, Edo State University Uzairue, Nigeria, **Abdulrazak Ibrahim**, Ahmadu Bello University, Zaria, Nigeria and **Benjamin Ewa Ubi**, South East Zonal Biotechnology Centre, Ebonyi State University Abakaliki, Nigeria.

Series: Multidisciplinary Applications and Advances in Biotechnology

This book covers a range of important topics on crop and animal genetics, breeding and genomics, as well as biodiversity and genetic resources conservation and utilization reflecting three thematic sections of working groups of the Biotechnology Society of Nigeria. The book will be a useful reference material for the scientists and researchers working in the field of food and agricultural biotechnology, bioinformatics, plant and animal genetics, breeding and genomics, genetic resources conservation and enhancement. etc.

CRC Press

Market: Biotechnology
April 2022: 6.14 x 9.21: 520pp
Hb: 978-0-367-76695-5: **£140.00**
eBook: 978-1-003-17888-0

* For full contents and more information, visit: www.routledge.com/9780367766955

Artificial Intelligence Applications for Health Care

Mitul Kumar Ahirwal, Maulana Azad national Institute of Technology, Bhopal, India, **Narendra D. Londhe**, NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR, INDIA and **Anil Kumar**, PDPM-IIITDM Jabalpur, India

This book takes an interdisciplinary approach covering health care, cognitive computing, and artificial intelligence. Data sets related to biomedical signals (ECG, EEG, EMG) and images (X-rays, MRI, CT) are explored, analysed, and processed. Applications of computational intelligence techniques like swarm optimization, expert system, decision support system, clustering and classification techniques in medical datasets are explained. Remote access of health care services through Internet of Things (IoT) applications are also covered. This book is aimed at researchers and graduate students in medical signal and image processing, machine and deep learning, and healthcare technologies.

CRC Press

Market: Biomedical Engineering
April 2022: 6.14 x 9.21: 328pp
Hb: 978-1-032-14846-5: **£110.00**
eBook: 978-1-003-24140-9

* For full contents and more information, visit: www.routledge.com/9781032148465

Artificial Intelligence in Healthcare and Medicine

Edited by **Kayvan Najarian**, Virginia Commonwealth University, Richmond, USA, **Delaram Kahrobaei**, **Enrique Dominguez** and **Reza Sorousmehri**

It is widely believed that Artificial Intelligence (AI) and its applications will revolutionize healthcare and medicine. This book provides a comprehensive overview on the recent developments on clinical decision support systems, precision health and data science in medicine. The book is intended for clinical researchers and computational scientists seeking to understand the recent advances of AI in health and medicine. Many universities may use the book as a secondary training text. Companies in the healthcare sector can greatly benefit from the case studies covered in the book.

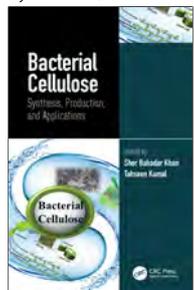
CRC Press

Market: Biomedical Engineering
April 2022: 6.14 x 9.21: 296pp
Hb: 978-0-367-61917-6: **£120.00**
eBook: 978-1-003-12090-2

* For full contents and more information, visit: www.routledge.com/9780367619176

Bacterial Cellulose

Synthesis, Production, and Applications



Edited by **Sher Bahadar Khan** and **Tahseen Kamal**
Bacterial cellulose (BC) is a natural polymer with unique structural, physico-chemical, mechanical, thermal, and biological properties offer much potential for use in diverse applications in the biomedical, electronics, energy, and environmental fields, among others. This text provides an overview of the synthesis, characterization, modification, and application of BC. This book will be of great interest to researchers and industry professionals in materials science, chemical engineering, chemistry, and other related fields seeking to learn about the synthesis and application of this important material.

CRC Press

Market: Materials Science/Chemical Engineering

October 2021: 6.14 x 9.21: 228pp

Hb: 978-0-367-63312-7: **£120.00**

eBook: 978-1-003-11875-6

* For full contents and more information, visit: www.routledge.com/9780367633127

Bioenergy and Environmental Biotechnology for Sustainable Development

Edited by **Akinola Rasheed Popoola**, **Emeka Godfrey Nwoba**, Algae Research & Development Centre, Murdoch University, Western Australia., **James C. Ogbonna**, South East Zonal Biotechnology Centre, University of Nigeria, Nsukka, Nigeria, **Charles Oluwaseun Adetunji**, Edo State University Uzairue, Nigeria, **Nwadiuto Esiobu**, Florida Atlantic University, Boca Raton, FL, USA., **Abdulrazak Ibrahim**, Ahmadu Bello University, Zaria, Nigeria and **Benjamin Ewa Ubi**, South East Zonal Biotechnology Centre, Ebonyi State University Abakaliki, Nigeria.

Series: Multidisciplinary Applications and Advances in Biotechnology

This book covers a range of important topics on environmental remediation; biofuels and value-added microbial products for environmental clean up; water and waste water recycling, as well as sustainable wastewater treatment using microalgae. Designed to document advances in biotechnology, this book highlighted bio-resource utilization in fostering low-carbon renewable energy – based economies; and discuss new insights into chlorine disinfectant usage in water quality and waste water treatment using microalgae, etc.

CRC Press

Market: Environmental Biotechnology

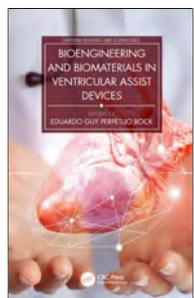
April 2022: 6.14 x 9.21: 288pp

Hb: 978-0-367-76705-1: **£110.00**

eBook: 978-1-003-18028-9

* For full contents and more information, visit: www.routledge.com/9780367767051

Bioengineering and Biomaterials in Ventricular Assist Devices



Edited by **Eduardo Guy Perpétuo Bock**

Series: Emerging Materials and Technologies

Often associated with artificial hearts, Ventricular Assist Devices (VAD) are blood pumps that can provide circulatory assistance to the left ventricle, the right ventricle, or both biventricular. Bioengineering and Biomaterials in Ventricular Assist Devices details constructive details of VADs and the biomaterials used in their development and support. This advanced text is aimed at advanced students, researchers, and practicing engineers conducting work on VADs and will be of interest to a broad interdisciplinary group, including on bioengineers, materials engineers, chemical engineers, mechanical engineers, electrical engineers, and others.

CRC Press

Market: Biomedical Engineering/Materials Science

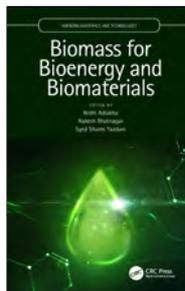
October 2021: 6.14 x 9.21: 362pp

Hb: 978-0-367-68632-1: **£120.00**

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Biomass for Bioenergy and Biomaterials



Edited by **Nidhi Adlakha**, **Rakesh Bhatnagar** and **Syed Shams Yazdani**

Series: Emerging Materials and Technologies

The book serves as an ideal reference for academic researchers and engineers working with natural renewable materials, bio-refining of lignocellulose, and biofuels. It can also be used as a comprehensive reference source for university students in metabolic, chemical, and environmental engineering.

CRC Press

Market: Chemical Engineering/Environmental Engineering

October 2021: 6.14 x 9.21: 398pp

Hb: 978-0-367-74555-4: **£140.00**

eBook: 978-1-003-15848-6

* For full contents and more information, visit: www.routledge.com/9780367745554

Biosafety and Bioethics in Biotechnology

Policy, Advocacy, and Capacity Building

Edited by **Nwadiuto Esiobu**, Florida Atlantic University, Boca Raton, FL, USA., **Arinze Stanley Okoli**, Genoek - Centre for Biosafety, Universitetet II, Breivika, Tromsø, Norway, **Sylvia Uzochukwu**, Biotechnology Centre, Federal University Oye-Ekiti, Nigeria., **Ezebuirio Nwagbo Christpeace**, **Charles Oluwaseun Adetunji**, Edo State University Uzairue, Nigeria, **Abdulrazak Ibrahim**, Ahmadu Bello University, Zaria, Nigeria and **Benjamin Ewa Ubi**, South East Zonal Biotechnology Centre, Ebonyi State University Abakaliki, Nigeria.

Series: Multidisciplinary Applications and Advances in Biotechnology

This book covers a range of important topics in biotechnology policy, advocacy and education; bioethics, biosafety regulations for genetically-modified organisms and gene-edited products and biotechnology manpower development. It will be a useful reference material for the scientists and researchers working in the field of food and agricultural biotechnology, biopharmaceuticals and medical biotechnology, environmental biotechnology, biotechnology policy and advocacy, biotechnology communication and manpower development, biosafety and bioethics, etc.

CRC Press

Market: Biotechnology

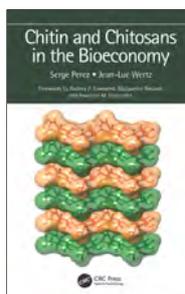
April 2022: 6.14 x 9.21: 232pp

Hb: 978-0-367-76702-0: **£110.00**

eBook: 978-1-003-17917-7

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Chitin and Chitosans in the Bioeconomy



Edited by **Serge Perez**, Claix, France and **Jean-Luc Wertz**, I'USINE, Belgium

Thanks to their biodegradability, non-toxicity, biocompatibility, bioactivity, and versatile chemical and physical properties, chitin and chitosan derivatives are used in a wide variety of applications, including water treatment, cosmetics and toiletries, food and beverages, healthcare/medical, and agrochemicals. This book covers all major aspects of chitin and chitosan, including structure, biosynthesis, biodegradation, properties of chitin and derivatives, applications, and market. It offers a special focus on the bioeconomy, which is the renewable segment of the circular economy. The book serves as a reference for polymer scientists and engineers, advanced students, and economists.

CRC Press

Market: Materials Science and Engineering

December 2021: 6.14 x 9.21: 172pp

Hb: 978-1-032-12848-1: **£89.99**

eBook: 978-1-003-22652-9

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Compressible Flow with Applications to Engines, Shocks and Nozzles

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

Series: *Mathematics and Physics for Science and Technology*

This book is part of the series "Mathematics and Physics Applied to Science and Technology." It combines rigorous mathematics with general physical principles to model practical engineering systems with a detailed derivation and interpretation of results. The book presents the mathematical theory of partial differential equations and methods of solution satisfying initial and boundary conditions. It includes applications to acoustic, elastic, water, electromagnetic and other waves, to the diffusion of heat, mass and electricity, and to their interactions. The book is intended for graduate students and engineers working with mathematical models.

CRC Press

Market: Mathematics

January 2022: 6.14 x 9.21: 300pp

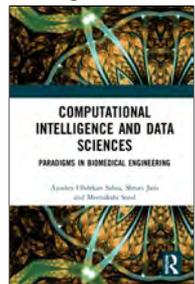
Hb: 978-1-032-02989-4: £74.99

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Computational Intelligence and Data Sciences

Paradigms in Biomedical Engineering



Edited by Ayodeji Olalekan Salau, Afe Babalola University, Nigeria, Shruti Jain, Jaypee Uni. of Information Tech., H.P, India and Meenakshi Sood, NITTTR, India

This book presents futuristic trends in computational intelligence including algorithms used in different application domains in health informatics covering bio-medical, bioinformatics, and biological sciences. Latest evolutionary approaches to solve optimization problems under biomedical engineering field are discussed. It provides conceptual framework with a focus on application of computational intelligence techniques in the domain of biomedical engineering and health informatics including real-time issues. This volume is aimed at researchers, professionals and graduate students in healthcare, biomedical engineering, artificial intelligence, computer engineering, and bioinformatics.

CRC Press

Market: Biomedical Engineering

February 2022: 6 x 9: 272pp

Hb: 978-1-032-12313-4: £100.00

eBook: 978-1-003-22406-8

* For full contents and more information, visit: www.routledge.com/9781032123134

Deep Learning, Machine Learning and IoT in Biomedical and Health Informatics

Techniques and Applications

Edited by Sujata Dash, North Orissa University, Takatpur, Subhendu Kumar Pani, Biju Patnaik University of Technology, Joel Jose P. Coelho Rodrigues, Federal University of Piauí and Babita Majhi, Guru Ghasidas Vishwavidyalaya

Series: *Biomedical Engineering*

Biomedical and Health Informatics is an important field that brings tremendous opportunities and helps address challenges due to an abundance of available biomedical data. This book examines and demonstrates state-of-the-art approaches for IOT and Machine Learning based biomedical and health related applications. This book aims to provide computational methods for accumulating, updating and changing knowledge in intelligent systems and particularly learning mechanisms that help us to induce knowledge from the data. It will be very beneficial for new researchers and practitioners working in the biomedical and healthcare fields to quickly know the best performing methods.

CRC Press

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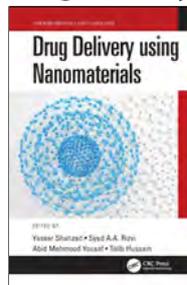
February 2022: 6.14 x 9.21: 384pp

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Drug Delivery Using Nanomaterials



Edited by Yasser Shahzad, Lahore, Pakistan, Syed A.A. Rizvi, Hampton University School of Pharmacy, USA, Abid Mehmood Yousaf, Lahore, Pakistan and Talib Hussain, Lahore, Pakistan

Series: *Emerging Materials and Technologies*

Designing suitable formulations to safely deliver the optimum drug dose, while avoiding side effects, is a constant challenge. With advances in synthetic technologies, nanoparticles can be custom made from variety of advanced materials to mimic the bioenvironment and equipped with various targeting and imaging moieties. This book covers advances in the field of nanoparticle-based drug delivery systems, along with the aspects needed for a successful and marketable nano-formulation. This

reference is aimed at Materials Engineers, Pharmaceutical Engineers, Chemical Engineers, Chemists, Biomedical Engineers, and others working on advanced drug delivery, from academia as well as industry.

CRC Press

Market: Pharmaceutical Engineering/Materials Science

January 2022: 6.14 x 9.21: 430pp

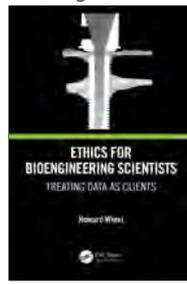
Hb: 978-0-367-76793-8: £140.00

eBook: 978-1-003-16858-4

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Ethics for Bioengineering Scientists

Treating Data as Clients



Howard Winet, University of Southern Cal

This book introduces bioengineers who must generate and/or report scientific data to the ethical challenges they will face in preserving the integrity of their data. It provides the perspective of reaching ethical decisions via pathways that treat data as clients to whom they owe a responsibility that is an existential component of their professional identity. The book was developed for advanced undergraduate and graduate students in bioengineering. It also contains much needed material that researchers and academics would find valuable (e.g., FDA material and lab animal research).

CRC Press

Market: Biomedical Engineering

December 2021: 6.14 x 9.21: 342pp

Hb: 978-1-032-05235-9: £150.00

Pb: 978-1-032-05354-7: £58.95

eBook: 978-1-003-19721-8

* For full contents and more information, visit: www.routledge.com/9781032052359

Fermentation and Algal Biotechnologies for the Food, Beverage and Other Bioproduct Industries

Edited by James C. Ogonna, South East Zonal Biotechnology Centre, University of Nigeria, Nsukka, Nigeria, Sylvia Uzochukwu, Biotechnology Centre, Federal University Oye-Ekiti, Nigeria., Emeka Godfrey Nwoba, Algae Research & Development Centre, Murdoch University, Western Australia., Charles Oluwaseun Adetunji, Edo State University Uzairue, Nigeria, Nwadiuto Esiobu, Florida Atlantic University, Boca Raton, FL, USA., Abdulrazak Ibrahim, Ahmadu Bello University, Zaria, Nigeria and Benjamin Ewa Ubi, South East Zonal Biotechnology Centre, Ebonyi State University Abakaliki, Nigeria.

Series: *Multidisciplinary Applications and Advances in Biotechnology*

This book covers a range of important topics on dairy and fermented foods and microalgae biotechnologies for food, beverage and bioproduct industries. The topics range from traditionally fermented African foods, fermentation technologies for large-scale industrial enzyme production to microalgae cultivation and nutraceuticals in Africa, etc.

CRC Press

Market: Biotechnology

April 2022: 6.14 x 9.21: 312pp

Hb: 978-0-367-76694-8: £110.00

eBook: 978-1-003-17837-8

* For full contents and more information, visit: www.routledge.com/9780367766948

Machine Learning and Deep Learning in Efficacy Improvement of Healthcare Systems

Edited by **Om Prakash Jena**, Ravenshaw University, Cuttack, **Bharat Bhushan**, Birla Institute of Technology, **Nitin Rakesh**, Sharda University, India, **Parma Nand Astya**, Sharda University, Ghaziabad and **Yousef Farhaoui**, Moulay Ismail University, Errachidia, Morocco

Series: Emerging Trends in Biomedical Technologies and Health Informatics

This book describes the fundamental concepts of machine learning and deep learning techniques in a healthcare system. The aim of this book is to describe how deep learning methods are used to insure high quality data processing, medical image and signal analysis, and improved healthcare application. This book is intended for students, researchers, professionals and policy makers working in the fields of public health and in the healthcare sector. Scientists and healthcare IT specialists will also find this book beneficial for research exposure and new ideas in the field of machine learning and deep learning.

CRC Press

Market: Biomedical Engineering
December 2021: 6.14 x 9.21: 400pp
Hb: 978-1-032-03672-4: **£99.99**
eBook: 978-1-003-18905-3

* For full contents and more information, visit: www.routledge.com/9781032036724

Machine Learning and Deep Learning in Medical Data Analytics and Healthcare Applications

Edited by **Om Prakash Jena**, Ravenshaw University, Cuttack, **Bharat Bhushan**, Birla Institute of Technology and **Utku Kose**, Suleyman Demirel University, Turkey

Series: Biomedical and Robotics Healthcare

The book incorporates the many facets of computational intelligence, such as machine learning and deep learning, to provide groundbreaking developments in healthcare applications. It discusses theory, analytical methods, numerical simulation, scientific techniques, design, advanced implementation, analytical outcomes, and computational structuring. This book is targeted towards scientists working in medical fields, application doctors, health professionals, professors, researchers and students. This book reveals different dimensions of ML/DL applications and illustrates its use in the solution of assorted real world biomedical and healthcare problems.

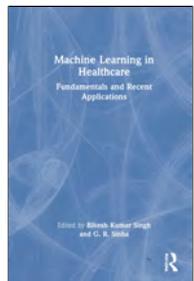
CRC Press

Market: Biomedical Engineering
February 2022: 6.14 x 9.21: 292pp
Hb: 978-1-032-12687-6: **£110.00**
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* For full contents and more information, visit: www.routledge.com/9781032126876

Machine Learning in Healthcare

Fundamentals and Recent Applications



Bikesh Kumar Singh, Department of Biomedical Engineering, National Institute of Technology Raipur, Chhattisgarh, India and **G.R. Sinha**, MIIT, Myanmar

Machine Learning in Healthcare discusses how to build various ML algorithms and how they can be applied to improve healthcare systems. Fundamental concepts are covered, including mathematical requisites and traditional machine learning framework followed by advanced machine learning methods and their applications in broad medical fields. Applications like computerized diagnosis, management of cancer, sickle cell disease, pulmonary disorders, diseases related to mental health and vision, management of diseases like diabetes, hypertension and drug monitoring are presented.

Case studies, examples and simulation codes are included.

CRC Press

Market: Biomedical Engineering
February 2022: 6.14 x 9.21: 232pp
Hb: 978-0-367-56442-1: **£74.99**
eBook: 978-1-003-09780-8

* For full contents and more information, visit: www.routledge.com/9780367564421

Medical Biotechnology, Biopharmaceutics, Forensic Science and Bioinformatics

Edited by **Hajiya Mairo Inuwa**, **Ifeoma Maureen Ezeonu**, **Charles Oluwaseun Adetunji**, Edo State University Uzairue, Nigeria, **Emmanuel Olufemi Ekundayo**, Michael Okpara University of Agriculture, Umudike, Nigeria, **Abubakar Gidado**, Director North-East Zonal Biotechnology Centre of Excellence at University of Maiduguri, Nigeria, **Abdulrazak Ibrahim**, Ahmadu Bello University, Zaria, Nigeria and **Benjamin Ewa Ubi**, South East Zonal Biotechnology Centre, Ebonyi State University Abakaliki, Nigeria.

Series: Multidisciplinary Applications and Advances in Biotechnology

This book covers a range of topics on exploiting Nigeria's mega biodiversity for food security and health; DNA forensic science and its applications; medical biotechnology and biopharmaceutics; medicinal and underutilized plants; impact and mitigation of antibiotic resistance; bioinformatics applications, medical insect biotechnology, etc.

CRC Press

Market: Biotechnology
April 2022: 6.14 x 9.21: 472pp
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Microbiomes and Emerging Applications

Edited by **James C. Ogbonna**,

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This book covers a range of important topics on metagenomics, microbiomes and their emerging applications, including microbiota transplantation and its health implications. It also discusses microbiome composition and development in humans. The book will be a useful reference for scientists and researchers working in the fields of food and agricultural biotechnology, biopharmaceutics and medical biotechnology, fermentation technology, environmental biotechnology, microbiomes and microbial biotechnology.

CRC Press

Market: Biotechnology
April 2022: 6.14 x 9.21: 208pp
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Multidisciplinary Applications and Advances in Biotechnology

Contributions from the Biotechnology Society of Nigeria Working Groups, Six-Volume Set

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Series: Multidisciplinary Applications and Advances in Biotechnology

This six volume book set examines a range of topics and applications related to biotechnology. Volumes include fermentation and algal biotechnologies; agricultural biotechnology; medical biotechnology, biopharmaceutics; biosafety, bioethics, biotechnology policy; microbiomes; bioenergy and environmental biotechnology for sustainable development.

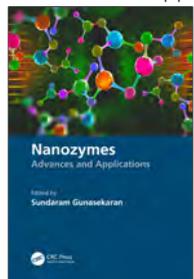
CRC Press

Market: Biotechnology
April 2022: 6.14 x 9.21: 1976pp
Hb: 978-0-367-76046-5: **£675.00**
eBook: 978-1-003-17803-3

* For full contents and more information, visit: www.routledge.com/9780367760465

Nanozymes

Advances and Applications



Edited by **Sundaram Gunasekaran**, University of Wisconsin, Madison, USA

This book presents an up-to-date account of the emerging field of nanozymes. These nanomaterials function as enzymes to provide novel functionalities and rival that of traditional enzymes. The book focus on issues relating to the preparation and use of nanozymes and their attendant issues and the paths to overcome. This book is intended for advanced undergraduate and graduate students doing research in nanotechnology, materials science, and chemistry and chemical, biological, biomedical, and food engineering, as well as research and development scientists, engineers, and technologists working in the chemical and biological/ biomedical industries.

CRC Press

Market: Biotechnology

November 2021: 6.14 x 9.21: 422pp

Hb: 978-0-367-61908-4: **£140.00**

eBook: 978-1-003-10922-8

* For full contents and more information, visit: www.routledge.com/9780367619084

Nanomedicine

Exploring the Potential for Nanotherapeutics

Shadi Farhangrazi and **Moein Moghimi**

This is an innovative book detailing the many challenges of bringing nanomedicines from the bench to the market. Through conversation, stories, descriptions, and personal accounts with leading entrepreneurs who have strived and overcome many of these barriers, readers are given a detailed outline of how nanomedicine can create future realistic solutions in medicine and health. The book takes a strong "how and why" approach.

CRC Press

Market: Nanoscience & Technology

July 2022: 6.14 x 9.21: 304pp

Hb: 978-1-498-73265-9: **£82.00**

eBook: 978-1-498-73266-6

* For full contents and more information, visit: www.routledge.com/9781498732659

Non-Invasive Monitoring of Transdermal Drug Delivery

Pasquale Arpaia, Università del Sannio, Benevento, Italy, **Umberto Cesaro**, **Nicola Moccaldi** and **Isabella Sannino**

The book presents an innovative technology based on injection of a very weak current to trace the quantity of a drug carried immediately after the administration. The book makes the reader familiar with the technology, from the conception through the design of the instrument, up to the preliminary clinical applications. This book is intended for biomedical engineers, biomedical engineering students, operators working in the field of biomedical instrumentation, biotechnologists, and technicians of transdermal vehiculation.

CRC Press

Market: Biomedical Engineering

March 2022: 6.14 x 9.21: 216pp

Hb: 978-0-367-76598-9: **£120.00**

eBook: 978-1-003-17014-3

* For full contents and more information, visit: www.routledge.com/9780367765989

Numerical Modeling of COVID-19 Neurological Effects

ODE/PDE Analysis in R

William Schiesser

This book focuses on a mathematical model describing a reduction in oxygen (O_2) to the brain resulting from the impaired respiratory function of the lungs caused by COVID-19. The dynamics of blood flow along the brain capillaries and tissue are modeled as systems of ordinary and partial differential equations (ODE/PDEs). The book is intended as a basic introduction for graduate students and faculty in biophysics, biochemistry, mathematical biology, biomedical engineering, applied mathematics, numerical analysis, and computer science.

CRC Press

Market: Biomedical Engineering

December 2021: 6.14 x 9.21: 196pp

Hb: 978-1-032-15211-0: **£74.99**

eBook: 978-1-003-24305-2

* For full contents and more information, visit: www.routledge.com/9781032152110

Partial Differentials with Applications to Thermodynamics and Compressible Flow

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

Series: Mathematics and Physics for Science and Technology

This book is part of the series "Mathematics and Physics Applied to Science and Technology." It combines rigorous mathematics with general physical principles to model practical engineering systems with a detailed derivation and interpretation of results. The book presents the mathematical theory of partial differential equations and methods of solution satisfying initial and boundary conditions. It includes applications to acoustic, elastic, water, electromagnetic and other waves, to the diffusion of heat, mass and electricity, and to their interactions. The book is intended for graduate students and engineers working with mathematical models.

CRC Press

Market: Mathematics

January 2022: 6.14 x 9.21: 584pp

Hb: 978-0-367-62390-6: **£120.00**

eBook: 978-1-003-12064-3

* For full contents and more information, visit: www.routledge.com/9780367623906

pH Responsive Membranes

Biomedical Applications

Randeep Singh, Department of Chemical Engineering, Indian Institute of Technology Guwahati, Guwahati, Assam, India., **Piyal Mondal**, Department of Chemical Engineering, Indian Institute of Technology Guwahati, Guwahati, Assam, India. and **Mihir Kumar Purkait**, Indian Institute of Technology Guwahati, India.

The book provides an application-oriented approach for pH responsive membranes, a type of stimuli responsive membrane and their applications in the biomedical field including initial development and recent use. It explains types, modes, and modification methods of membranes along with membrane usage in applications such as drug delivery, haemodialysis, chemical sensing and so forth. The potential research carried out in the area as well as future scope is discussed, that provides better insights to the readers about the subject ranging from the basics to the advanced level of the topic.

CRC Press

Market: Chemical Processing and Design

January 2022: 6.14 x 9.21: 103pp

Hb: 978-1-032-06167-2: **£99.99**

eBook: 978-1-003-20101-4

* For full contents and more information, visit: www.routledge.com/9781032061672

Pharmaceutical Vendors Approval Manual

A Comprehensive Quality Manual for API and Packaging Material Approval

Erfan Syed Asif

This book provides stepwise guidance on how to evaluate, audit, qualify and approve an active pharmaceutical ingredient (API) and packaging material manufacturer and supplier to enhance the GMP within the industry. The book will also be beneficial for institutions conducting pharmaceutical technology courses in terms of GMP and GLP applications. The book is equally relevant to Quality Assurance officers, Quality Control Analysts, Quality Auditors and other personnel involved in GMP/GLP services in the company. The book will also be beneficial for institutions conducting pharmaceutical technology study courses in terms of GMP and GLP applications.

CRC Press

Market: Pharmaceutical Technology

December 2021: 6.14 x 9.21: 170pp

Hb: 978-1-032-03088-3: **£74.99**

eBook: 978-1-003-18914-5

* For full contents and more information, visit: www.routledge.com/9781032030883

Vector Fields with Applications to Thermodynamics and Irreversibility

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

Series: Mathematics and Physics for Science and Technology

This book is part of the series "Mathematics and Physics Applied to Science and Technology." It combines rigorous mathematics with general physical principles to model practical engineering systems with a detailed derivation and interpretation of results. The book presents the mathematical theory of partial differential equations and methods of solution satisfying initial and boundary conditions. It includes applications to acoustic, elastic, water, electromagnetic and other waves, to the diffusion of heat, mass and electricity, and to their interactions. The book is intended for graduate students and engineers working with mathematical models.

CRC Press

Market: Mathematics

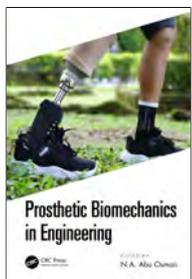
January 2022: 6.14 x 9.21: 284pp

Hb: 978-1-032-02987-0: **£74.99**

eBook: 978-1-003-18659-5

* For full contents and more information, visit: www.routledge.com/9781032029870

Prosthetic Biomechanics in Engineering



Edited by N.A. Abu Osman

The book is about the recent advances in prosthetic engineering research. The scope of the book is focused on the design, development and evaluation of prosthetic systems that are being used in biomechanical applications. This book includes coverage of advanced materials, conceptual designs, and brain computer interface (BCI) systems. The information provided in this book is intended for researchers and investigators to encourage further advances in the field of prosthetics research and for the development of rehabilitation equipment for the improvement of human health.

CRC Press

Market: Biomedical Engineering

December 2021: 6.14 x 9.21: 256pp

Hb: 978-1-032-05241-0: **£120.00**

eBook: 978-1-003-19673-0

* For full contents and more information, visit: www.routledge.com/9781032052410

2nd Edition

RNA Nanotechnology and Therapeutics

Edited by Peixuan Guo, University of Kentucky, Lexington, USA and Kirill A. Afonin

Interest in RNA nanotechnology has increased in recent years in recognition of its potential for applications in nanomedicine, which have grown substantially. Edited by the world's foremost experts, this thoroughly updated, comprehensive, state-of-the-art reference, details the latest research developments and challenges in the biophysical and single molecule approaches to RNA nanotechnology. In addition, this work also provides in-depth discussions on RNA structure for nanoparticle construction, RNA computation and modeling, single molecule imaging of RNA, RNA nanoparticle assembly, RNA nanoparticles in therapeutics, RNA chemistry for nanoparticle synthesis, and conjugation and labeling.

CRC Press

Market: Nanoscience and Nanotechnology

March 2022: 7 x 10: 632pp

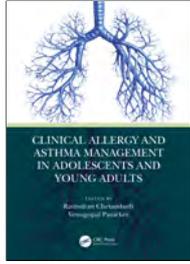
Hb: 978-1-138-31286-9: **£150.00**

eBook: 978-1-003-00156-0

Prev. Ed Hb: 978-1-466-50566-7

* For full contents and more information, visit: www.routledge.com/9781138312869

Clinical Allergy and Asthma Management in Adolescents and Young Adults



Edited by **Ravindran Chetambath**, DM Wayanad Institute of Medical Sciences, India and **Venugopal Panicker**, Govt. TD Medical College, India

This text addresses the need for a practical handbook on asthma and allergy in adolescents and young adults. This is an interesting group as asthma may diminish in intensity with age but is still of concern; compliance with management is not generally successful, and if not adequately treated, it might lead to long term sequelae (viz. COPD).

CRC Press

Market: Medicine

November 2021: 7 x 10: 292pp

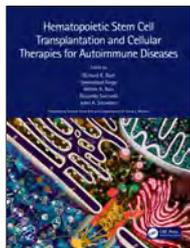
Hb: 978-0-367-64677-6: **£190.00**

Pb: 978-0-367-64678-3: **£74.99**

eBook: 978-1-003-12578-5

* For full contents and more information, visit: www.routledge.com/9780367646776

Hematopoietic Stem Cell Transplantation and Cellular Therapies for Autoimmune Diseases



Edited by **Richard K. Burt**, Northwestern University, 446 East Ontario, 10th floor, suite 1000, Chicago, Illinois, 60611, USA, **Dominique Farge**, University of Paris, France, **Milton A. Ruiz**, University of São Paulo, Brazil, **Riccardo Saccardi**, Careggi University Hospital, Italy and **John A. Snowden**, Department of Haematology, Sheffield Teaching Hospitals NHS Foundation Trust, Glossop Road, Sheffield, South Yorkshire, S10 2JF, UK

This book summarizes the progress made across the international medical and scientific research communities towards the goal of converting a chronic autoimmune disease into a drug-free

reversible illness using hematopoietic stem cell transplantation (HSCT) and other cellular therapies to generate sustained immune tolerance. This title provides advice on best practice and evaluates the advantages and disadvantages of HSCT in the treatment of a variety of autoimmune diseases versus current conventional treatments.

CRC Press

Market: Medicine

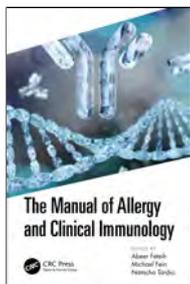
November 2021: 8.25 x 11: 686pp

Hb: 978-1-138-55855-7: **£170.00**

eBook: 978-1-315-15136-6

* For full contents and more information, visit: www.routledge.com/9781138558557

The Manual of Allergy and Clinical Immunology



Edited by **Abeer Feteih**, King Abdulaziz University, Saudi Arabia, **Michael Fein**, McGill University Health Centre, Canada and **Natacha Tardio**, McGill University Health Center, Canada

This pocketbook provides brief clinical summaries of complex and emerging major topics encountered in the field of Allergy and Immunology. As knowledge in the specialty is rapidly evolving, this book condenses this material while maintaining an evidence-based approach to the practice. It addresses the emerging trends in immunology from a cancer therapeutics standpoint, coupled with the predominance of allergies, as there is an increased awareness and interest in these topics due to its impact on a large cohort of the population. It is a quick 'go-to', practical and informative guide for students studying for their

specialty exams as well as for clinicians for better diagnoses and treatment.

CRC Press

Market: Medicine

December 2021: 7 x 10: 226pp

Hb: 978-1-032-00446-4: **£94.99**

Pb: 978-1-032-00445-7: **£38.99**

eBook: 978-1-003-17420-2

* For full contents and more information, visit: www.routledge.com/9781032004464

Advanced Skin Cancer

A Case-Based Approach

Edited by **Debjani Sahni** and **Adam Lerner**

An advanced skin cancer is one that has metastasized beyond its primary origin, or that has invaded underlying tissue such that surgical resection either is technically impossible or would lead to an unacceptable functional or cosmetic outcome. These skin cancers present a complex problem. National guidelines utilize the best available data to guide management decisions. However, there is leeway within the guidelines, enabling the care decision to be molded to fit each individual patient. This book aims to provide instructional examples of patient cases where the input of the multi-disciplinary team is critical in providing the most suitable care plan for the patient.

CRC Press

Market: Medicine

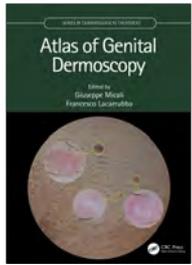
April 2022: 7 x 10: 168pp

Hb: 978-0-367-13471-6: **£99.99**

eBook: 978-0-429-02668-3

* For full contents and more information, visit: www.routledge.com/9780367134716

Atlas of Genital Dermoscopy



Edited by **Giuseppe Micali** and **Francesco Lacarrubba**

Series: Series in Dermatological Treatment

Dermoscopy, a non-invasive modern tool to enhance the diagnosis and monitoring of pigmented and non-pigmented skin disorders, is particularly suitable for use in the genital area, in which traditional invasive diagnostic procedures may be difficult or painful for the patient. Dermatologists, family physicians, and those involved in Sexual Health medicine will all benefit from this atlas showing the applications of dermoscopy in several external genital disorders both in males and females with large high-resolution color photographs throughout.

CRC Press

Market: Dermatology

October 2021: 7 x 10: 188pp

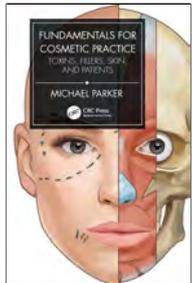
Hb: 978-0-367-44027-5: **£120.00**

eBook: 978-1-003-00716-6

* For full contents and more information, visit: www.routledge.com/9780367440275

Fundamentals for Cosmetic Practice

Toxins, Fillers, Skin, and Patients



Michael Parker

Many medical professionals are now seeking to train in Cosmetic Practice, and there are many courses offering practical training; this text offers instead a helpful overview of the fundamentals involved and how they impact on practical skills, patient management, and potential complications. It constitutes the perfect guide to professional certification and beyond that to Cosmetic Practice. *Presents the starter in aesthetic practice with the fundamentals of minimally invasive treatments *Offers a reliable resource for any medical professional wishing to certify in this specialty; *Combines material on both main treatment and on aesthetic patient management

CRC Press

Market: Dermatology

March 2022: 6.14 x 9.21: 208pp

Hb: 978-1-032-05716-3: **£190.00**

Pb: 978-1-032-05712-5: **£74.99**

eBook: 978-1-003-19884-0

* For full contents and more information, visit: www.routledge.com/9781032057163

28th Edition

Litt's Drug Eruption & Reaction Manual



Edited by **Neil H. Shear**, University of Toronto School of Medicine, Ontario, Canada

Litt's Drug Eruption & Reaction Manual is a succinct clinical reference derived from Litt's Drug Eruption & Reaction Database (www.drugeruptiondata.com), which currently holds over 1800 drug profiles with over 70,000 documented drug reactions, as evidenced by well over 150,500 references on PubMed. Internationally relied upon by medical practitioners for its unparalleled focus on adverse effects and cutaneous reactions, this 28th edition has been comprehensively updated with the essential information for an informed clinical decision. A one-year access to the associated database is now included in purchase of this year's edition.

CRC Press

Market: Dermatology

January 2022: 8.25 x 11: 520pp

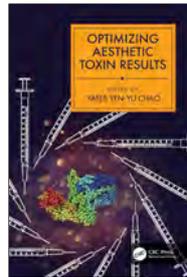
Hb: 978-1-032-19999-3: **£270.00**

Pb: 978-1-032-19972-6: **£140.00**

eBook: 978-1-003-26180-3

* For full contents and more information, visit: www.routledge.com/9781032199993

Optimizing Aesthetic Toxin Results



Edited by **Yates Yen-Yu Chao**

Series: Series in Cosmetic and Laser Therapy

Botulinum toxin injections are the most used and best-known aesthetic treatment internationally, but there remain a number of problematic topics and suboptimal results. Here an internationally known expert and his contributors explain the scientific background and aesthetic principles that can help clinicians achieve better results in problem cases.

CRC Press

Market: Dermatology

February 2022: 7 x 10: 168pp

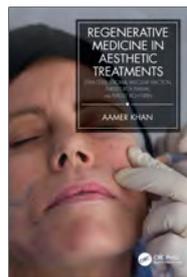
Hb: 978-0-367-44185-2: **£100.00**

eBook: 978-1-003-00813-2

* For full contents and more information, visit: www.routledge.com/9780367441852

Regenerative Medicine in Aesthetic Treatments

Stem Cells, Stromal Vascular Fraction, Platelet Rich Plasma, and Platelet Rich Fibrin



Aamer Khan

Physicians are now in a position pro-actively to use stem cells and their growth factors to regenerate the human body. Within the field of aesthetics, regenerative medicine is being used to reverse the ageing of tissues and to repair scarring to an unprecedented level. This highly illustrated text from an internationally recognized expert in cosmetic procedures documents the procedures and results for patients.

CRC Press

Market: Dermatology

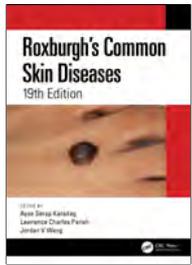
October 2021: 7 x 10: 151pp

Hb: 978-0-367-43147-1: **£110.00**

eBook: 978-1-003-00147-8

* For full contents and more information, visit: www.routledge.com/9780367431471

19th Edition

Roxburgh's Common Skin Diseases

Edited by **Ayse Serap Karadag**, Istanbul Medeniyet University, Dr Erkin cad. Goztepe Egitim ve Arastirma Hastanesi Dermatoloji Bölümü Göztepe, Istanbul, 34722, Turkey, **Lawrence Charles Parish**, Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, Pennsylvania, USA and **Jordan Wang**

This acclaimed core text in Dermatology now returns in a thoroughly revised and refocused format. Its clear structuring will enable all readers to find quickly what they need to know and to see how each part fits into the whole, offering a consistent guide for residents wanting a reliable revision aid for the core topics in Dermatology and for physicians in other disciplines

interested in individual topics (particularly family physicians specializing in the diagnosis of skin cancer).

CRC Press

Market: Medicine

February 2022: 7 x 10: 464pp

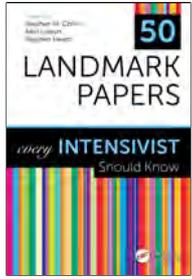
Hb: 978-0-367-61499-7: **£170.00**

Pb: 978-0-367-61498-0: **£68.99**

eBook: 978-1-003-10526-8

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50 Landmark Papers every Intensivist Should Know



Edited by **Stephen M. Cohn**, Professor of Surgery, Hackensack Meridian School of Medicine at Seton Hall University, Nutley, NJ, USA, **Alan Lisbon** and **Stephen Heard**, UMass Memorial Medical Center

This book identifies the key scientific articles in the field of Intensive Care and explains why these papers are important in contemporary clinical management. Identifying those influential contributors who have shaped the practice of modern Intensive Care practice, the text includes commentaries on 50 seminal papers in a wide range of areas. This is an invaluable reference for the multi-disciplinary members of the ICU team, including physicians, nurses, Residents, trainees, fellows, and surgeons, as well as for seasoned physicians and surgeons who want to stay

current in their field.

CRC Press

Market: Medicine

October 2021: 6 x 9: 339pp

Hb: 978-0-367-48654-9: **£99.00**

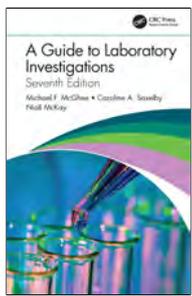
Pb: 978-0-367-46241-3: **£29.99**

eBook: 978-1-003-04213-6

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CRC Press

Market: Medicine

November 2021: 6.14 x 9.21: 153pp

Hb: 978-0-367-50371-0: **£99.00**

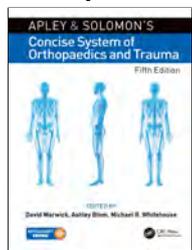
Pb: 978-0-367-50077-1: **£29.99**

eBook: 978-1-003-04968-5

* For full contents and more information, visit: www.routledge.com/9780367503710

5th Edition

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Edited by **David Warwick**, **Ashley Blom**, University of Bristol, United Kingdom and **Michael Whitehouse**, University of Bristol, United Kingdom

Been firmly established as the leading introductory textbook of orthopaedic practice and the principles of fracture and trauma management and praised in previous editions for the systematic approach, balanced content and readable style, this fifth edition has been brought fully up to date under the direction of the new and distinguished authorial team, while remaining true to the teaching principles of Alan Apley and his successor Louis Solomon.

It remains the first choice for medical students, trainee surgeons and other health professionals seeking a convenient introduction to this large and complex subject.

CRC Press

Market: Medicine

December 2021: 7.44 x 9.69: 762pp

Hb: 978-0-367-19895-4: **£88.99**

Pb: 978-0-367-19877-0: **£36.99**

eBook: 978-0-429-24397-4

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5th Edition

Basic Statistics and Epidemiology

A Practical Guide

Antony Stewart, FFPH Prof in Public Health, Staffordshire University; Honorary Consultant in Public Health, PHE; Clinical Research Specialty Lead for Public Health, NIHR CRN West Midlands; Academic Director, CHD, UK

Basic Statistics and Epidemiology is a straightforward primer in basic statistics that emphasizes its practical use in epidemiology and public health, providing an understanding of essential topics such as study design, data analysis and statistical methods used in the execution of medical research. An understanding and appreciation of statistics is central to ensuring that professional practice is based on the best available evidence. By reading this book, students, researchers, doctors, nurses and health managers will have the knowledge necessary to understand and apply the tools of statistics and epidemiology to their own practice.

CRC Press

Market: Medicine

January 2022: 6.85 x 9.69: 232pp

Hb: 978-0-367-70818-4: **£99.00**

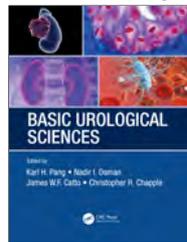
Pb: 978-0-367-70815-3: **£32.99**

eBook: 978-1-003-14811-1

* For full contents and more information, visit: www.routledge.com/9780367708184



Basic Urological Sciences



Edited by **Karl Pang**, Specialist Registrar, Department of Oncology and Metabolism and Academic Urology, University of Sheffield, UK, **Nadir Osman**, Consultant Urological Surgeon, Reconstructive Urology, Royal Hallamshire Hospital, University of Sheffield, UK, **James Catto**, Professor of Urological Surgery, Consultant Urological Surgeon, University of Sheffield and Royal Hallamshire Hospital, UK and **Christopher Chapple**, University of Sheffield, Royal Hallamshire Hospital

A working knowledge of the basic sciences that underpin mechanisms of disease and the body's response is widely

recognised to be a critical part of urological training. Chapters cover anatomy and physiology, the basic principles of immunology, oncology and particular diseases. The succinct summaries are ideal for revising the basic sciences component of examinations including the FRCS(Urol) Part 1.

CRC Press

Market: Medicine

December 2021: 7 x 10: 336pp

Hb: 978-0-367-25066-9: **£124.95**

Pb: 978-0-367-20218-7: **£49.95**

eBook: 978-0-429-28581-3

* For full contents and more information, visit: www.routledge.com/9780367250669

Complications of Diabetes Mellitus

A Global Perspective

Jahangir Moini, Eastern Florida State College, USA, **Matthew Adams**, Florida Eye Associates, Florida, USA and **Anthony LoGalbo**, Florida Institute of Technology, USA

Diabetes mellitus is a global epidemic with severe complications that can be of great cost. This book focuses on the complications of hypertension, heart attack or heart failure, stroke, blindness, nephropathy, neuropathy, amputations, and death, along with the prevalence and prevention of disease development. It explains distribution of the disease by age and gender, such as the development of type II diabetes in relation to obesity, which is more prevalent in younger age groups. Global mortality and costs of complications are significant as the disease affects all ages, races, and ethnicities, making this book an invaluable resource for healthcare professionals and students everywhere.

CRC Press

Market: Medicine

March 2022: 7 x 10: 248pp

Hb: 978-1-032-12894-8: **£150.00**

Pb: 978-1-032-12834-4: **£59.99**

eBook: 978-1-003-22672-7

* For full contents and more information, visit: www.routledge.com/9781032128948

Learning and Behaviour in Medicine

A Voyage Around CME and CPD

Robin Stevenson

This concise, practical guide supports a broadly based understanding of continuing medical education and professional development, without being overly theoretical. Opening with the history of CME and CPD, their definitions and the difference between them, the book discusses recent changes in the culture of learning in medicine including the transition of CME from didactic teaching to interactive, focused adult learning. It describes the replacement of a curricular approach by education driven by need, which in turn is defined by discovery and analysis of professional practice gaps. Particular emphasis is placed on the misdiagnosis gap, its causation and impact on patient care.

CRC Press

January 2022: 5.5 x 8.5: 96pp

Hb: 978-1-032-21841-0: £44.99

eBook: 978-1-003-27028-7

* For full contents and more information, visit: www.routledge.com/9781032218410

Control of Breathing during Sleep

From Bench to Bedside

Edited by **Susmita Chowdhuri**, Wayne State University, Detroit VA Medical Center, Detroit, USA, **M. Safwan Badr**, Wayne State University School of Medicine, USA and **James A Rowley**, Wayne State University School of Medicine, USA

This book describes control of ventilation during sleep in both health and disease states. The topics are presented in a fashion that can be easily comprehended with many figures to illustrate complex concepts. Thus, a wide range of topics, starting from the site of normal respiratory rhythm generation to chemoreceptor control of sleep apnea, description of the apneic threshold, pathophysiology of upper airway closure, novel techniques to measure control of breathing, effect of cerebral blood flow on breathing, effect of opioids on ventilation, effect of heart failure on ventilation, genetic aspects of breathing disorders, age and gender differences, and various therapies are discussed.

CRC Press

Market: Medicine

May 2022: 7 x 10: 280pp

Hb: 978-0-367-55625-9: £190.00

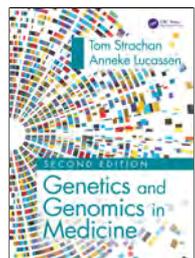
Pb: 978-0-367-43011-5: £74.99

eBook: 978-1-003-00063-1

* For full contents and more information, visit: www.routledge.com/9780367556259

2nd Edition

Genetics and Genomics in Medicine



Tom Strachan, Newcastle University, UK and **Anneke Lucassen**, Newcastle University, UK

The second edition of this popular textbook written for undergraduate students, grad students, and medical researchers, *Genetics and Genomics in Medicine* explains the science behind the uses of genetics and genomics in medicine today.

Maintaining the features that made the first edition so popular, this second edition has been thoroughly updated in line with the latest developments in the field.

Rather than focusing narrowly on rare inherited and chromosomal disorders, it is a comprehensive, integrated

account of how genetics and genomics affect the whole spectrum of human health and disease. Specific topics are profiled in boxes throughout the text.

CRC Press

Market: Medicine

June 2022: 8.25 x 11: 530pp

Hb: 978-0-367-49082-9: £125.00

Pb: 978-0-367-49081-2: £49.99

eBook: 978-1-003-04440-6

* For full contents and more information, visit: www.routledge.com/9780367490829



Great Ormond Street Handbook of Congenital Ear Deformities

An Illustrated Surgical Guide

Neil W. Bulstrode, Great Ormond Street Hospital for Children, UK and Ahmed Salah Mazed, Sohag University, Egypt

This Great Ormond Street Hospital handbook provides a stepwise illustrated description of surgical procedures used for the correction of congenital deformities of the auricle. It features over 600 intraoperative high-quality photographs of every step of each procedure in addition to photographs of preoperative planning and preparation. Topics include microtia reconstruction, prominent ear correction, lop ear, cryptotia, Stahl's ear, mirror ear, cleft earlobe correction, and reconstruction of the absent earlobe. Registrars and Residents and experienced surgeons in the specialties of Plastic Surgery, and Otolaryngology Head & Neck Surgery will benefit from this useful surgical guide.

CRC Press

Market: Medicine

January 2022: 6.85 x 9.69: 208pp

Hb: 978-1-032-07260-9: £189.00

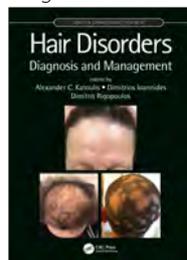
Pb: 978-1-032-11732-4: £74.99

eBook: 978-1-003-22127-2

* For full contents and more information, visit: www.routledge.com/9781032072609

Hair Disorders

Diagnosis and Management



Edited by **Alexander C. Katoulis**, **Dimitrios Ioannides** and **Dimitris Rigopoulos**, National and Kapodistrian University of Athens, Greece

Series: *Series in Dermatological Treatment*

A comprehensive resource for the practicing dermatologist on how to diagnose and manage the range of hair disorders in patients. Extensive illustration accompanies each condition and shows the results of the latest diagnostic tools, including dermoscopy.

CRC Press

Market: Medicine

November 2021: 8.25 x 11: 249pp

Hb: 978-1-138-61190-0: £110.00

eBook: 978-0-429-46515-4

* For full contents and more information, visit: www.routledge.com/9781138611900

Hair Pathology with Trichoscopic Correlations



Mariya Miteva

Combining pathology with trichoscopy is a powerful strategy for the optimal management of hair disorders. This highly illustrated text will help clinicians become familiar with how to obtain an optimal specimen and how to understand the pathology report, in order to create an individualized approach in management. Pathologists will become familiar with the trichoscopic morphologic correlation of hair disorders, with the diagnostic clues to spot, and the most common pitfalls in hair pathology.

CRC Press

Market: Medicine

October 2021: 8.25 x 11: 220pp

Hb: 978-1-138-31353-8: £100.00

eBook: 978-0-429-45760-9

* For full contents and more information, visit: www.routledge.com/9781138313538

Handbook of Muscle Variations and Anomalies in Humans

A Compendium for Medical Education, Physicians, Surgeons, Anthropologists, Anatomists and Biologists

Edited by **Eve K. Boyle**, National Science Foundation, Virginia, US, **Vondel S. E. Mahon**, Association of Medical Illustrators (AMI) and **Rui Diogo**, Howard University, Washington, District of Columbia, USA

'Normal' humans exhibit muscular variations, and there are millions with these sorts of anomalies. Most medical professionals experience a few cases of muscle variations and/or anomalies. This will be an anatomical atlas exclusively focused on the variations and anomalies in humans. The book is a comprehensive review of comparative anatomy, medical papers, and monographs. There are three goals 1) provide evolutionary theoretical background for the existence of variations and defects; 2) summarize each variation and defect found in every skeletal muscle; and therefore 3) include schematic figures of these variations and anomalies for an easy visualization of these anomalies and variations.

CRC Press

Market: Human Anatomy

March 2022: 8.25 x 11: 328pp

Hb: 978-0-367-53862-0: **£140.00**

eBook: 978-1-003-08353-5

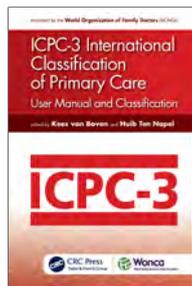
* For full contents and more information, visit: www.routledge.com/9780367538620



3rd Edition

ICPC-3 International Classification of Primary Care

User Manual and Classification



Edited by **Kees van Boven** and **Huib Ten Napel**

Series: *WONCA Family Medicine*

This third edition of the International Classification of Primary Care (ICPC-3) is indispensable for anyone wishing to use the international classification system for classification of morbidity data in a primary care setting. Distilling the many standards that are applied internationally in primary & community care and public health to offer a telescopic view, the classification has been completely rewritten to reflect the continued shift in the health paradigm of primary care and public health towards the person rather than the disease or provider.

CRC Press

Market: Medicine

January 2022: 6.14 x 9.21: 366pp

Hb: 978-1-032-05343-1: **£68.99**

Pb: 978-1-032-05339-4: **£26.99**

eBook: 978-1-003-19715-7

* For full contents and more information, visit: www.routledge.com/9781032053431

Laser Techniques in Ophthalmology

A Guide to YAG and Photothermal Laser Treatments in Clinic

Anita Prasad, Royal Gwent Hospital, Aneurin Bevan University Health Board, UK

This is a practical guide to using lasers in the Eye clinic and includes all commonly performed Lasers for a range of ocular conditions. It uses multiple illustrations of real-life fundus photographs, FFA images, OCT images and digitally modified retinal images to simplify learning the fundamentals of laser physics and physiology, laser safety and an overview of the variety of ophthalmic lasers in current use. It standardizes Laser procedures and serves as a reference guide for Ophthalmic trainees learning the technique that can be transferred to their clinical practice. The book simplifies understanding of Ophthalmic Lasers and answers common questions of how and why things are done.

CRC Press

Market: Medicine

February 2022: 7 x 10: 184pp

Hb: 978-0-367-70032-4: **£115.00**

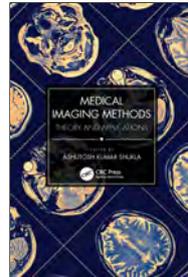
Pb: 978-0-367-70031-7: **£46.99**

eBook: 978-1-003-14430-4

* For full contents and more information, visit: www.routledge.com/9780367700324

Medical Imaging Methods

Theory and Applications



Edited by **Ashutosh Kumar Shukla**, Ewing Christian College, University of Allahabad, India.

This volume presents pedagogical content to understand theoretical and practical aspects of diagnostic imaging techniques. It provides insights to current practices, and also discusses specific practical features like radiation exposure, radiation sensitivity, signal penetration, tissue interaction, and signal confinement with reference to individual imaging techniques. It also covers relatively less common imaging methods in addition to the established ones. It serves as a reference for researchers and students working in the field of medical, biomedical science, physics, and instrumentation.

CRC Press

Market: Medicine

February 2022: 6.14 x 9.21: 200pp

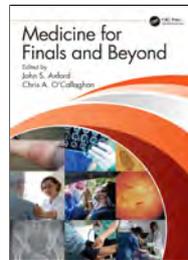
Hb: 978-0-367-63081-2: **£170.00**

Pb: 978-0-367-63079-9: **£69.99**

eBook: 978-1-003-11206-8

* For full contents and more information, visit: www.routledge.com/9780367630812

Medicine for Finals and Beyond



Edited by **John Axford** and **Chris O'Callaghan**

Clinically-orientated and focused squarely on the core curriculum, *Medicine for Finals and Beyond* delivers what medical students need to know in a manner that encourages learning and recall. The easy-to-navigate structure makes locating information simple and is tailored for exam success. Notes based information is supplemented by 'At A Glance textboxes', 'Emergency Presentations' and 'Must Know Checklists' for quick reference, while online Q&A material allows for self-testing.

This brand-new revision aid for medical students will be a convenient companion throughout clinical studies and an ideal aide-memoire for those approaching their final examinations.

CRC Press

Market: Medicine

February 2022: 8.25 x 11: 778pp

Hb: 978-1-032-04526-9: **£123.99**

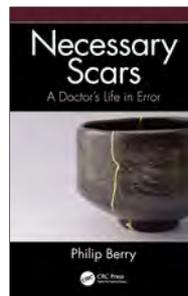
Pb: 978-0-367-15059-4: **£49.99**

eBook: 978-1-003-19361-6

* For full contents and more information, visit: www.routledge.com/9781032045269

Necessary Scars

A Doctor's Life in Error



Philip Berry

Whether you are a doctor, nurse, student, or otherwise interested reader, the stories here will help you to understand how medicine works and how medical error can happen. The stories and discussions here present detailed narratives, analyses, and reflections on medical errors through actions, omissions, and misunderstandings. They offer a uniquely honest perspective on the social implications of medical error and will enable healthcare workers at all levels to analyse and learn from it without losing sight of its impact.

CRC Press

Market: Medicine

December 2021: 6.14 x 9.21: 159pp

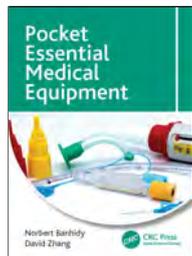
Hb: 978-1-032-03939-8: **£62.99**

Pb: 978-1-032-03937-4: **£24.99**

eBook: 978-1-003-18982-4

* For full contents and more information, visit: www.routledge.com/9781032039398

Pocket Essential Medical Equipment



Norbert Banhidy, Core Surgical Trainee, London, UK and David Zhang, Internal Medicine Trainee, London, UK
Series: *Pocket Series*

This genuinely pocket-sized guide to essential medical equipment is ideal for medical students, newly qualified junior doctors and other healthcare professionals seeking a convenient and concise handbook to refer to in busy clinical settings including emergency departments. Clear, concise and systematic, it provides a visual guide to enable readers to identify correctly common medical equipment and use it appropriately without overwhelming or extraneous information. With this book as your indispensable companion you will be equipped to identify and

use equipment with confidence to provide safe and effective care for patients.

CRC Press

Market: Medicine

January 2022: 202pp

Hb: 978-0-367-74714-5: **£44.99**

Pb: 978-0-367-74578-3: **£16.99**

eBook: 978-1-003-15917-9

* For full contents and more information, visit: www.routledge.com/9780367747145

Reflective Practice in Medicine and Multi-Professional Healthcare

John Launer

This unique book presents in a single collection around 50 essays by Dr John Launer on reflective practice in medicine, including examples specific to medical education and multi-professional healthcare. Based on existing contributions to the literature by Dr Launer, the book brings them together in updated and structured form for the first time with an introduction linking the different topics addressed. Coverage includes communication skills, supervision, teamwork and organizational health. In a time of unprecedented demand on healthcare services, educators and practitioners.

CRC Press

Market: Medicine

March 2022: 6.14 x 9.21: 216pp

Hb: 978-0-367-74557-8: **£49.99**

Pb: 978-0-367-71460-4: **£19.99**

eBook: 978-1-003-15847-9

* For full contents and more information, visit: www.routledge.com/9780367745578

Research During Medical Residency

A How to Guide for Residents and Faculty Mentors

Edited by Lynne Bianchi, Director Medical Research Operations, University of Manchester

A practical guide for medical residents and faculty in the fundamentals of clinical research, publication practices, and conference skills. The text offers advice on how to incorporate scholarly activities into training routines, so the process becomes more manageable and less overwhelming. Suggestions for pursuing other scholarly activities, outside of clinical research, are also offered. Readers will find this a reliable resource covering how to develop, conduct, publish, or present a research project. Written for busy faculty and residents.

CRC Press

Market: Medicine

April 2022: 6.14 x 9.21: 312pp

Hb: 978-0-367-64833-6: **£99.00**

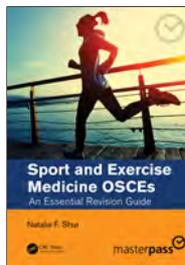
Pb: 978-0-367-64830-5: **£30.99**

eBook: 978-1-003-12647-8

* For full contents and more information, visit: www.routledge.com/9780367648336

Sport and Exercise Medicine OSCEs

An Essential Revision Guide



Natalie F. Shur

A study guide for those studying Sport and Exercise Medicine and sitting examinations. Divided into sections based on the main topics that arise in SEM OSCEs, the book provides both core knowledge and practical tips to ensure a successful performance by the examinee in every station.

Written for those about to sit a postgraduate examination in sport and exercise medicine, or those enrolled on a postgraduate certificate or Masters course in the specialty will value this book. Doctors, physiotherapists, sports therapists, podiatrists, nurses, and undergraduate students.

CRC Press

Market: Medicine

December 2021: 7 x 10: 212pp

Hb: 978-0-367-75724-3: **£118.00**

Pb: 978-0-367-70678-4: **£46.99**

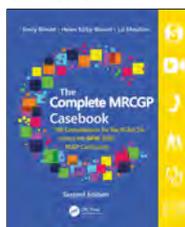
eBook: 978-1-003-16370-1

* For full contents and more information, visit: www.routledge.com/9780367757243

2nd Edition

The Complete MRCGP Casebook

100 Consultations for the RCA/CSA across the NEW 2020 RCGP Curriculum



Emily Blount, GP Training Programme Director, Oxford, UK, Helen Kirby-Blount, GP, Nottinghamshire, UK and Liz Moulton, University of Leeds, UK

This is the most comprehensive resource for trainees sitting the RCGP consultation skills' exam (RCA/CSA), offering a complete curriculum guide as well as 100 roleplays that can be removed and practised in pairs. The guidance is seamlessly aligned to the NEW RCGP 2020 curriculum, fully up to date and referenced with the latest guidelines, with detailed 'example' answers for each case. The Complete MRCGP casebook is essential reading for

any candidate preparing for their final clinical and consultation skills' exam and will remain an invaluable resource for best practice after qualification.

CRC Press

Market: Medicine

December 2021: 7.44 x 9.69: 574pp

Hb: 978-0-367-62766-9: **£59.99**

eBook: 978-1-003-11072-9

Prev. Ed Hb: 978-1-498-79646-0

* For full contents and more information, visit: www.routledge.com/9780367627669

The Medical Examiner Service

A Practical Guide for England and Wales

Edited by Jason Payne-James, Barts and the London Medical and Dental School, London, UK and Suzannah Lishman, Consultant pathologist, Peterborough

This book provides a practical guide for all those working in or with Medical Examiner Services in England and Wales. It is an adjunct to the e-learning and face-to-face training required to fulfil the Medical Examiner and Medical Examiner Officer roles. Medical Examiner Services also work closely with a wide range of stakeholders including bereavement and mortuary teams, Coroners and their Officers, Registrars, Funeral Directors and those working in clinical governance and patient safety. This book provides an essential overview of all aspects of the Medical Examiner system for anyone working in these areas, or in any aspect of the support and management of the deceased and bereaved.

CRC Press

Market: Medicine

March 2022: 6.14 x 9.21: 300pp

Hb: 978-1-032-03739-4: **£99.00**

Pb: 978-1-032-00419-8: **£29.99**

eBook: 978-1-003-18875-9

* For full contents and more information, visit: www.routledge.com/9781032037394

The Skeptical Professional's Guide to Rational Prescribing

The Impact of Scientific Fraud and Misconduct

Charles E. Dean, Minneapolis VA Medical Center

The raging COVID-19 pandemic has shaken our trust in science. This volume reviews the evolution of misconduct and fraud in science, the many steps taken to alleviate the problem, and the likelihood that it will continue, given our profit-driven healthcare system. Contents are set in a clinical context, wherein misconduct and fraud affect rational prescribing. The clinical consequences can be significant, in that the efficacy of treatments can be vastly overplayed, adverse effects minimized, and costs to the healthcare system increased if corrective measures are not taken.

CRC Press

Market: Medicine

April 2022: 6.14 x 9.21: 136pp

Hb: 978-1-032-21193-0: £94.99

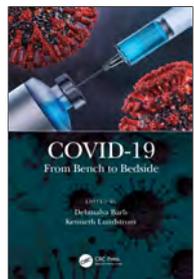
Pb: 978-1-032-21192-3: £38.99

eBook: 978-1-003-26721-8

* For full contents and more information, visit: www.routledge.com/9781032211930

COVID-19

From Bench to Bedside



Edited by **Debmalya Barh**, UFMG, Brazil, and **Kenneth Lundstrom**, PanTherapeutics, Switzerland

The COVID-19 pandemic has affected the entire world in an unprecedented way and this book provides an overview of the historical facts as well as ongoing approaches to tackle the COVID-19 pandemic. Experts of the respective domains provide details on anti-SARS-COV-2 drug strategies, including repurposing drugs used for other indications and development of novel drugs looking at different approaches to target virus entry and replication. COVID-19 vaccine development based on inactivated and attenuated live virus, protein subunit and peptide-based vaccines and utilization of vaccine candidates based on viral vectors, DNA and RNA are presented for both

preclinical studies and clinical trials.

CRC Press

Market: Medicine

February 2022: 7 x 10: 230pp

Hb: 978-1-032-04063-9: **£160.00**

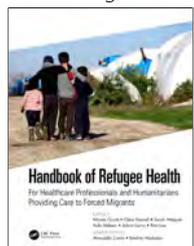
Pb: 978-1-032-04062-2: **£64.99**

eBook: 978-1-003-19039-4

* For full contents and more information, visit: www.routledge.com/9781032040639

Handbook of Refugee Health

For Healthcare Professionals and Humanitarians Providing Care to Forced Migrants



Edited by **Miriam Orcutt**, University College London, London, UK, **Clare Shortall**, Première Urgence Internationale, France, **Sarah Walpole**, Newcastle Hospitals, UK, **Aula Abbara**, Imperial College NHS Healthcare Trust, London, **Sylvia Garry**, National Health Service, London, UK, **Rita Issa**, Queen Mary University of London, UK, **Alimuddin Zumla**, University College London Hospitals, London, UK and **Ibrahim Abubakar**, University College London, London, UK

This book helps to recognize the rights of refugees and provides a framework to identify and approach health needs, from basic elements like service mapping and initial interventions to more

complex elements of ongoing healthcare and support and broader topics such as migration public health, migration policy and health systems.

CRC Press

Market: Medicine

December 2021: 8.25 x 11: 392pp

Hb: 978-1-138-61295-2: **£150.00**

Pb: 978-1-138-61288-4: **£59.99**

eBook: 978-0-429-46487-4

* For full contents and more information, visit: www.routledge.com/9781138612952

Reflections from the Covid-19 Frontline

A Personal Diary

Ash Subramanian and Jenny Subramanian

At the Frontline of Covid-19 is an emotional account of the first Covid lockdown told by upbeat breast surgeon consultant, Ash, as he admits his struggle to adapt to pandemic life. From new equipment, frequent process shuffling, and heroes within the hospital, Ash reflects on his tales from the NHS frontline of the Covid response. With an entwined narrative from his wife, Jenny, who battles to preserve her hairdressing business during the pandemic, the two give an open account of family life as they navigate 'staying safe' during an unprecedented time.

CRC Press

Market: Medicine

January 2022: 6.14 x 9.21: 190pp

Hb: 978-1-032-01779-2: **£99.00**

Pb: 978-0-367-77251-2: **£16.99**

eBook: 978-1-003-18001-2

* For full contents and more information, visit: www.routledge.com/9781032017792

2nd Edition

Turning the World Upside Down Again

Global health in a time of pandemics, climate change and political turmoil

Lord Nigel Crisp, House of Lords and All Party Parliamentary Group on Global Health, London, UK

In *Turning the World Upside Down Again*, Lord Nigel Crisp argues that they need to go further and listen to and learn from disempowered communities in their own countries. He describes how combining the learning from different countries and communities can lead us to a new ecologically based vision for health and new and practical ways of improving health for ourselves, our communities and our planet.

CRC Press

March 2022: 6.14 x 9.21: 304pp

Hb: 978-1-032-21299-9: **£58.99**

Pb: 978-1-032-21295-1: **£22.99**

eBook: 978-1-003-26770-6

* For full contents and more information, visit: www.routledge.com/9781032212999

World Compendium of Healthcare Facilities and Nonprofit Organizations

Edited by **Ebby Elahi**

World Compendium of Healthcare Facilities and Nonprofit Organizations is the most comprehensive index of critical information on healthcare facilities and nonprofits in 72 low and lower-middle-income countries as classified by the World Bank. Presented in an easily accessible format and organized in 72 country chapters, the compendium allows stakeholders to better identify where healthcare services are available and where additional resources are needed.

CRC Press

November 2021: 8.25 x 11: 1012pp

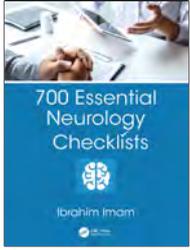
Hb: 978-1-032-22952-2: **£150.00**

Pb: 978-1-032-22946-1: **£49.99**

eBook: 978-1-003-27487-2

* For full contents and more information, visit: www.routledge.com/9781032229522

700 Essential Neurology Checklists



Ibrahim Imam, Royal Devon and Exeter, UK

A collection of 700 essential checklists covering all aspects of neurology and its allied specialities. The checklists have been selected for their practical clinical application and were developed to help minimise error and boost clinical safety in the care of the neurological patient. The checklists focus on all aspects of neurological history, clinical examination, investigations, and treatment, and contain details of aetiology, epidemiology, genetics, and pathology. Of benefit not just to neurologists, but to all medical professionals including psychiatrists, neurosurgeons, paediatricians, general physicians, obstetricians, ophthalmologists, and specialist nurses.

CRC Press

Market: Medicine

December 2021: 8.25 x 11: 454pp

Hb: 978-1-032-11729-4: **£125.00**

Pb: 978-1-032-07623-2: **£49.95**

eBook: 978-1-003-22125-8

* For full contents and more information, visit: www.routledge.com/9781032117294

A Clinical Approach to Neuro-Ophthalmic Disorders

Edited by Vivek Lal, PGIMER, Chandigarh, India

Neuro-ophthalmology is a merged subspecialty of neurology and ophthalmology dealing with complex multisystem diseases presenting with visual manifestations. This book helps the reader in recognizing, approaching, and managing such a patient. It covers the afferent and efferent systems, pupillary disorders, and Radiology of neuro-ophthalmic conditions. It features individual symptomatology with salient points, their management and differential diagnosis. It has case scenarios, key points, and algorithms along with self-assessment MCQ questions. Its simplified, step wise approach will be a useful resource for neurologists, ophthalmologists, physicians, pediatricians, and optometrists.

CRC Press

Market: Medicine

May 2022: 8.25 x 11: 328pp

Hb: 978-0-367-03051-3: **£200.00**

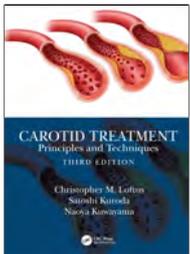
Pb: 978-1-032-25148-6: **£79.99**

eBook: 978-0-429-02027-8

* For full contents and more information, visit: www.routledge.com/9780367030513

3rd Edition

Carotid Treatment: Principles and Techniques



Christopher M. Loftus, Center for Devices and Radiological Health, USA, Satoshi Kuroda, University of Toyama, Japan and Naoya Kuwayama, University of Toyama, Japan

This text presents the current state of the art in carotid treatment. Coverage includes carotid stenting, radiography, and highly illustrated surgical techniques case examples reflecting international practice. Throughout the book numerous case examples, and interesting examples of anatomical variants are illustrated and explained. An expanded section on complications further increases the value of this resource for all practitioners. Neurosurgeons, Vascular surgeons, and Neuro-interventionalists will benefit from the third edition of

this acclaimed text.

CRC Press

Market: Medicine

March 2022: 8.25 x 11: 410pp

Hb: 978-0-367-46571-1: **£130.00**

eBook: 978-1-003-04217-4

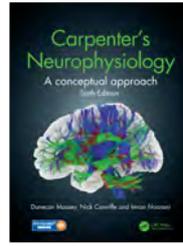
Prev. Ed Hb: 978-0-824-72832-8

* For full contents and more information, visit: www.routledge.com/9780367465711

6th Edition

Carpenter's Neurophysiology

A Conceptual Approach



Dunecan Massey, Nick Cunniffe, Dept of Clinical Neurosciences, Univ of Cambridge Dept of Neurology, Addenbrooke's Hospital and Imran Noorani

Neurophysiology: A Conceptual Approach offers a refreshing alternative to 'learning by rote'. Under new authorship, the sixth edition preserves the legacy of the original author, the late Roger Carpenter, retaining the concise approach and readable style so central to its predecessors. Integrating the disciplines of neurology and neuroscience with an emphasis on principles and functional concepts, this comprehensive textbook covers the entire subject of neurophysiology, from the conduction of

nerve impulses to the higher functions of the brain, within a single accessible volume.

CRC Press

Market: Biomedical Science

January 2022: 8.25 x 11: 350pp

Hb: 978-0-367-34067-4: **£99.00**

Pb: 978-0-367-34060-5: **£39.99**

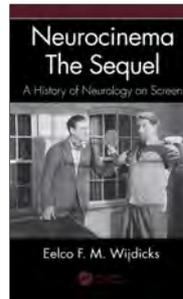
eBook: 978-0-429-32372-0

* For full contents and more information, visit: www.routledge.com/9780367340674



Neurocinema—The Sequel

A History of Neurology on Screen



Elco F. M. Wijdicks, Mayo Clinic, Rochester, Minnesota, USA

The history of neurology as seen through the lens of the filmmaker is fascinating and extraordinary. This is a review of the history of neurology as seen in film, starting with the early days of cinema and concluding with contemporary films. 180 films are assessed and rated, and many of these are exemplary depictions of neurological disorders. Each of the films discussed in this book demands serious attention by those who see and manage neurologic patients and support their families.

Neurocinema, The Sequel chronicles this archive of neurologic representation, drawing readers in a rich collection of cinematic wonders of permanent cultural and historical value.

CRC Press

Market: Medicine

March 2022: 7 x 10: 252pp

Hb: 978-1-032-22005-5: **£99.00**

Pb: 978-1-032-22002-4: **£38.99**

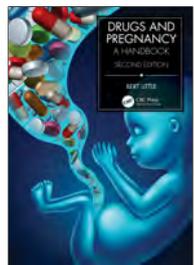
eBook: 978-1-003-27087-4

* For full contents and more information, visit: www.routledge.com/9781032220055

2nd Edition

Drugs and Pregnancy

A Handbook

Edited by **Bertis B. Little**, Tarleton State University, Texas, USA*Series: Series in Maternal-Fetal Medicine*

This practical handbook provides detailed guidelines on prescribing drugs in all classes, and for a wide variety of diseases and disorders, during pregnancy, with numerous boxes and tables to assist understanding.

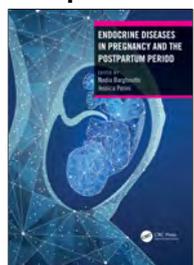
CRC Press

Market: Medicine

March 2022: 7 x 10: 320pp

Hb: 978-1-032-21678-2: **£250.00**Pb: 978-1-498-71451-8: **£99.99**

eBook: 978-0-429-16092-9

* For full contents and more information, visit: www.routledge.com/9781032216782**Endocrine Diseases in Pregnancy and the Postpartum Period**Edited by **Nadia Barghouthi**, West Virginia University, Morgantown, USA and **Jessica Perini**, West Virginia University, Morgantown, USA

This book delivers comprehensive explanations of normal hormonal physiology during pregnancy and descriptions of the hormonal pathology associated with various endocrine disease states. In addition, it serves as a relevant and synoptic resource for the clinical management of endocrine disorders in pregnancy and the pre- and post-partum periods. Evaluation and management of endocrine disorders including but not limited to diabetes mellitus, thyroid disease, and various endocrine tumors are included. It provides readers with a detailed overview

in a compact and easy to read format. This book serves as essential reading for Endocrinology fellows and Obstetrics and Gynecology residents.

CRC Press

Market: Medicine

February 2022: 7 x 10: 202pp

Hb: 978-1-032-19835-4: **£140.00**Pb: 978-0-367-46217-8: **£56.99**

eBook: 978-1-003-02757-7

* For full contents and more information, visit: www.routledge.com/9781032198354

2nd Edition

Handbook of Genetic Diagnostic Technologies in Reproductive Medicine

Improving Patient Success Rates and Infant Health

Edited by **Carlos Simón**, Instituto Valenciano de Infertilidad, Spain and **Carmen Rubio**, Igenomix, FIMI/INCLIVA, Paterna, Valencia, Spain

This handbook updates the new genetic diagnostic technologies that have been translated to the clinic, aiming to improve outcomes in the clinic and result in a healthy baby in the home. Chapters cover the use of genetic technologies in a personalized manner to unravel the possible genetic risks for the couple wishing to conceive, in terms of sperm, the embryo, the endometrium, miscarriage, and finally the fetus. Bringing together international experts to discuss their work, this text gives a context for the developments in this very fast-moving area of research and offers a comprehensive and rounded appraisal of hot topics.

CRC Press

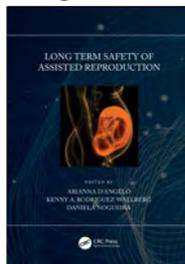
Market: Reproductive Medicine

May 2022: 7 x 10: 448pp

Hb: 978-0-367-45718-1: **£140.00**

eBook: 978-1-003-02494-1

Prev. Ed Hb: 978-0-815-36793-2

* For full contents and more information, visit: www.routledge.com/9780367457181**Long Term Safety of Assisted Reproduction**Edited by **Arianna D'Angelo**, **Kenny A. Rodriguez-Wallberg** and **Daniela Nogueira**

A much needed overview of the available information now accumulating to indicate that Assisted Reproductive Technologies are generally safe for both babies and mothers. However, the literature abounds with reports of a higher risk of obstetrical and perinatal complications; regarding the long-term outcomes for both women and children, the data are still scarce. The chapters summarized in this book review the current knowledge on long-term safety of assisted reproduction and indicate the need for continued research to cover the lack of data in some specific patient groups and for recently developed treatments that only have a short period of follow-up.

CRC Press

Market: Gynecology

March 2022: 7 x 10: 216pp

Hb: 978-0-367-51123-4: **£155.00**Pb: 978-0-367-51120-3: **£76.99**

eBook: 978-1-003-05252-4

* For full contents and more information, visit: www.routledge.com/9780367511234**Management of Normal and High-Risk Labour during Childbirth**Edited by **Govri Dorairajan**, JIPMER, Puducherry, India

This book deals with the management of labour, guiding the readers to recognize problems by keen monitoring, based on anatomical and physiological understanding of labour. In this era of technology, this book revives the fading art of identification of clinical signs and symptoms. The chapters are well-structured, covering different aspects from suspicion to identification of the problems by recognizing subtle warning signals by the fetus and the uterus. Operative deliveries and common obstetric emergencies with their appropriate management are also covered. It provides practical points to prevent, anticipate, recognize, and manage problems during labour.

CRC Press

Market: Medicine

April 2022: 7 x 10: 176pp

Hb: 978-1-032-22179-3: **£110.00**Pb: 978-0-367-47246-7: **£42.99**

eBook: 978-1-003-03436-0

* For full contents and more information, visit: www.routledge.com/9781032221793

4th Edition

Maternal-Fetal and Obstetric Evidence Based Guidelines, Two Volume SetEdited by **Vincenzo Berghella**, Jefferson Medical College of Thomas Jefferson University, Philadelphia, PA, USA*Series: Series in Maternal-Fetal Medicine*

Designed for easy revision of the key points, key references, and key management stages, the two volumes in this set review the evidence for best practice, presenting the reader with the right information, in the right format, summarized in easy-to-use tables and algorithms. Each guideline is designed to "make it easy to do it right", with appropriate use of proven interventions. The quality of evidence available is graded so that a well-informed clinician can improve the health of mother and baby by

providing quality care.

CRC Press

Market: Obstetrics & Gynecology

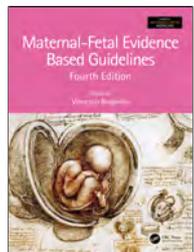
January 2022: 8.25 x 11: 1058pp

Hb: 978-0-367-56703-3: **£180.00**

Prev. Ed Hb: 978-1-498-74742-4

* For full contents and more information, visit: www.routledge.com/9780367567033

4th Edition

Maternal-Fetal Evidence Based Guidelines

Edited by **Vincenzo Berghella**, Jefferson Medical College of Thomas Jefferson University, Philadelphia, PA, USA

Series: Series in Maternal-Fetal Medicine

This new edition of an acclaimed text reviews the evidence for best practice in Maternal-Fetal Medicine, to present the reader with the right information, with appropriate use of proven interventions and avoidance of ineffectual or harmful ones. The aim is to inform the clinician, to reduce errors and "to make it easy to do it right."

The volume can be purchased separately or together with the companion volume on *Obstetric Evidence Based Guidelines* (set

ISBN 9780367567033).

The Series in Maternal-Fetal Medicine is published in conjunction with *The Journal of Maternal-Fetal and Neonatal Medicine*.

CRC Press

Market: Obstetrics & Gynecology

February 2022: 8.25 x 11: 632pp

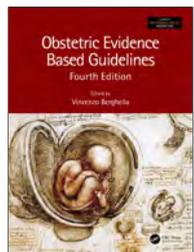
Hb: 978-0-367-56702-6: **£135.00**

eBook: 978-1-003-09906-2

Prev. Ed Hb: 978-1-498-74744-8

* For full contents and more information, visit: www.routledge.com/9780367567026

4th Edition

Obstetric Evidence Based Guidelines

Edited by **Vincenzo Berghella**, Jefferson Medical College of Thomas Jefferson University, Philadelphia, PA, USA

Series: Series in Maternal-Fetal Medicine

This new edition of an acclaimed text reviews the evidence for best practice in obstetrics, with appropriate use of proven interventions and avoidance of ineffectual ones. The information is presented by summarizing evidence clearly in tables and algorithms. The aim is to inform the clinician, to reduce errors and "to make it easy to do it right."

The volume can be purchased separately or together with the companion volume on *Maternal-Fetal Evidence Based Guidelines*

(set ISBN 9780367567033).

The Series in Maternal-Fetal Medicine is published in conjunction with *The Journal of Maternal-Fetal and Neonatal Medicine*.

CRC Press

Market: Medicine

February 2022: 8.25 x 11: 422pp

Hb: 978-0-367-60877-4: **£105.00**

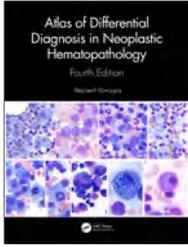
eBook: 978-1-003-10234-2

Prev. Ed Hb: 978-1-498-74746-2

* For full contents and more information, visit: www.routledge.com/9780367608774

4th Edition

Atlas of Differential Diagnosis in Neoplastic Hematopathology



Wojciech Gorczyca

This atlas presents not only the differential diagnosis but also the detailed morphologic, immunophenotypic, and especially genetic characteristics of the majority of hematolymphoid malignancies. An expert hematopathologist here provides a valuable resource to understand, use, or interpret one or more of these diagnostic modalities with confidence. This new edition has a compact format with up-to-date information - especially on genetic aspects - and will be an indispensable reference for all professionals in the specialty.

CRC Press

Market: Oncology

October 2021: 8.25 x 11: 873pp

Hb: 978-0-367-63724-8: £210.00

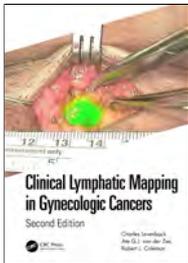
eBook: 978-1-003-12044-5

Prev. Ed Hb: 978-1-482-21221-1

* For full contents and more information, visit: www.routledge.com/9780367637248

2nd Edition

Clinical Lymphatic Mapping in Gynecologic Cancers



Edited by Charles Levenback, Ate GJ van der Zee and Robert L. Coleman, MD Anderson Cancer Center, University of Texas, Houston, USA

Lymphatic mapping techniques have proven to be useful to the early detection and safe treatment of endometrial and cervical cancers; however, the techniques have much of value to offer for breast cancer also and particularly for vulvar cancer, where there has been an explosion of interest and research. In the new edition of *Clinical Lymphatic Mapping of Gynecologic Cancers*, the techniques are fully explained, with consideration of the latest developments and technologies.

CRC Press

Market: Oncology

February 2022: 8.25 x 11: 152pp

Hb: 978-1-032-18643-6: £120.00

eBook: 978-1-003-25553-6

Prev. Ed Hb: 978-0-367-33362-1

* For full contents and more information, visit: www.routledge.com/9781032186436

Head and Neck Oncology

A Concise Guide

Mohammad Akheel, Memorial Sloan Kettering Cancer Centre, New York and Ashmi Wadhwan

This concise handbook has a unique approach and covers all important aspects of head and neck cancers from basic topics like carcinogenesis to advanced treatment options like Immunotherapy, Electrochemotherapy and robotic surgery in a succinct way. As every treatment centre manages its patients with different modality as per their institutional protocol, this book endeavors to standardize the processes by discussing the management of cancers of all anatomic areas in view of the National Comprehensive Cancer Network (NCCN) guidelines, which is the committee that prepares protocols for management of cancers and every head and neck oncosurgeon must adhere to these for their clinical practice.

CRC Press

Market: Medicine

February 2022: 7 x 10: 178pp

Hb: 978-0-367-64097-2: £180.00

Pb: 978-0-367-42131-1: £69.99

eBook: 978-0-367-82201-9

* For full contents and more information, visit: www.routledge.com/9780367640972

Clinical Examination of the Hand

An Evidence-Based Approach

Edited by **J. Terrence Jose Jerome**, Olympia Hospital and Research Centre, India.

This handbook brings together the basic elements of hand and upper limb case, from examination to clinical diagnosis of various hand and upper limb related diseases. It improvises the examination skills of the reader with proficiency to arrive for a provisional diagnosis for the given hand surgery and related diseases. The chapters are dealt with simple language, clinical pictures, tables, and videos embedded for readers. Written by contributors across the globe, this book is useful for trainees, graduates, postgraduates, and fellows who intend to brush their basics and excel in hand surgery.

CRC Press

Market: Medicine

March 2022: 7 x 10: 272pp

Hb: 978-0-367-64718-6: **£110.00**

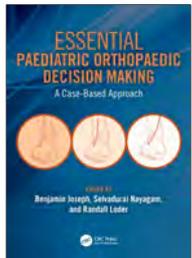
Pb: 978-0-367-64716-2: **£44.99**

eBook: 978-1-003-12593-8

* For full contents and more information, visit: www.routledge.com/9780367647186

Essential Paediatric Orthopaedic Decision Making

A Case-Based Approach



Edited by **Benjamin Joseph**, Manipal University, **Selvadurai Nayagam**, Consultant Orthopaedic Surgeon, Liverpool, UK and **Randall T Loder**, Indiana University School of Medicine, Indianapolis, USA

This collection of practical Case reports provides a concise guide to managing a wide spectrum of orthopaedic conditions in children. Strategies for determining the best management approach are provided, and are supported with clinical illustrations and guidelines. Sixty challenging clinical scenarios are presented. Each case is approached in a systematic manner with a background history, key features of physical examination and a series of questions. Trainees in pediatric orthopaedics and

those sitting their final specialty examination will find this Case-based approach helps to anchor both their understanding and retention of key concepts.

CRC Press

Market: Medicine

December 2021: 6.85 x 9.69: 485pp

Hb: 978-0-367-61877-3: **£175.00**

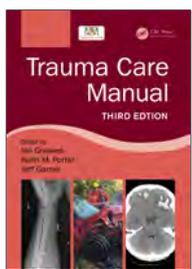
Pb: 978-0-367-55362-3: **£69.99**

eBook: 978-1-003-23230-8

* For full contents and more information, visit: www.routledge.com/9780367618773

3rd Edition

Trauma Care Manual



Edited by **Ian Greaves**, University of Teeside. British Army, **Sir Keith Porter**, University of Birmingham. and **Jeff Garner**

The Trauma Care Manual is the definitive evidence-based manual of best trauma practice. This valuable book provides clear practical guidelines for the management of victims of major trauma. Focusing entirely on hospital-based care the content has been completely revised and a further nine chapters introduced. New chapters include infection in trauma, damage control surgery, trauma systems, centres and teams, CBRN and the trauma victim and care of the obese trauma patient. Written by members of Trauma Care, this resource is suitable for emergency physicians, anaesthetists and intensivists, trauma

surgeons, military doctors, paramedics and trauma nurses.

CRC Press

Market: Medicine

November 2021: 7 x 10: 593pp

Hb: 978-1-032-05435-3: **£115.00**

Pb: 978-1-498-78884-7: **£44.99**

eBook: 978-1-003-19756-0

* For full contents and more information, visit: www.routledge.com/9781032054353

Catheter Ablation of Cardiac Arrhythmias in Children and Patients with Congenital Heart Disease

Edited by **Edward P. Walsh**, Harvard Medical School, MA, USA, **George F. Van Hare**, Washington University, MO, USA., **Paul Khairy**, Université de Montréal, Canada and **Mohammad Shenasa**, O'Connor Hospital, CA, USA

This authoritative book explores electrophysiologic testing and therapeutic catheter ablation for cardiac arrhythmias in children, and in patients of all ages with congenital heart disease. It reviews the anatomic and physiologic background to these procedures, emphasizing the tools for mapping and tissue ablation that continue to improve patient outcomes. Additionally, individual chapters are dedicated to specific congenital heart defects (for instance, tetralogy of Fallot, Ebstein's anomaly, univentricular heart) guiding the reader to anticipate the type of arrhythmia, the most likely location for effective ablation, and the technical challenges that may be encountered in each condition.

CRC Press

Market: Medicine

January 2022: 8.25 x 11: 342pp

Hb: 978-0-367-53452-3: **£300.00**

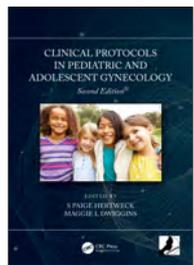
Pb: 978-0-367-53475-2: **£150.00**

eBook: 978-1-003-08210-1

* For full contents and more information, visit: www.routledge.com/9780367534523

2nd Edition

Clinical Protocols in Pediatric and Adolescent Gynecology



Edited by **S Paige Hertweck** and **Maggie Dwiggins**

Published in association with NASPAG, this updated second edition gives quick access to the essential information. The authors combine their clinical experience with a complete review of the literature, placing it in an easy to consult format with photographs, figures, and algorithms.

CRC Press

Market: Gynecology

March 2022: 7 x 10: 248pp

Hb: 978-0-367-48311-1: **£140.00**

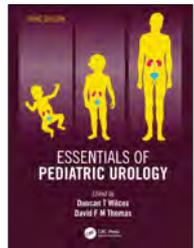
Pb: 978-0-367-48309-8: **£68.99**

eBook: 978-1-003-03923-5

* For full contents and more information, visit: www.routledge.com/9780367483111

3rd Edition

Essentials of Pediatric Urology



Edited by **Duncan T Wilcox**, University of Colorado and **David F M Thomas**, University of Leeds

This popular textbook provides surgical trainees with an up to date and comprehensive account of the urological disorders of childhood. It makes a valuable practical contribution to clinical decision making by Adult Urologists and General Pediatric Surgeons who treat conditions of the genitourinary systems in children. This established resource fulfils a unique role as the only international textbook of Pediatric Urology written primarily for trainees and those practising adult Urology, Pediatric Surgery and Pediatric Urology. The third edition continues to meet this need as well as providing a ready source of reference for

non-specialists including Pediatricians and Nurses.

CRC Press

Market: Medicine

December 2021: 6.85 x 9.69: 400pp

Hb: 978-1-032-02209-3: **£175.00**

Pb: 978-0-367-20223-1: **£69.99**

eBook: 978-1-003-18202-3

* For full contents and more information, visit: www.routledge.com/9781032022093

Pediatric Colorectal Surgery

Tips & Tricks

Marc A. Levitt, Chief of Colorectal and Pelvic Reconstruction Surgery, Children's National Medical Center, Washington DC, USA

From 30 years of experience as a surgeon working in the field of pediatric colorectal and pelvic reconstructive surgery, author Marc Levitt shares the tips and tricks that he has developed that make operations and patient management easier and reproducible. This book teaches other caregivers the skills to achieve positive results. These pediatric patients require care throughout their lives from specialists across numerous fields, which may include colorectal surgery, urology, gynecology, and GI motility, as well as specialized nursing, orthopedics, neurosurgery, anesthesia, pathology, radiology, psychology, social work, and nutrition.

CRC Press

Market: Medicine

March 2022: 7 x 10: 184pp

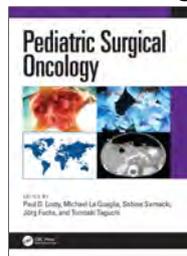
Hb: 978-0-367-71248-8: **£140.00**

Pb: 978-0-367-69317-6: **£54.99**

eBook: 978-1-003-15001-5

* For full contents and more information, visit: www.routledge.com/9780367712488

Pediatric Surgical Oncology



Edited by **Paul Losty**, Alder Hey Children's NHS, UK., **Michael La Quaglia**, Memorial Sloan Kettering, NY., **Sabine Sarnacki**, Hopital Necker-Enfants Malades, Paris, **Jörg Fuchs**, Department of Pediatric Surgery, Children's Hospital, University of Tuebingen, Tuebingen, Germany and **Tomoaki Taguchi**, Kyushu University, Japan

A new definitive and state of the art reference in the specialist field of paediatric surgical oncology. Chapter abstracts, key points, and guidance on all aspects of cancer surgery for children make this a vital resource for the surgical resident or trainee. An international authorship team ensures that the content is appropriate for a global audience of paediatric surgeons. This

authoritative reference will appeal to surgical residents in training, surgeons working in the field of pediatric oncology, medical oncologists, intensive care specialists and nursing staff.

CRC Press

Market: Medicine

December 2021: 8.25 x 11: 460pp

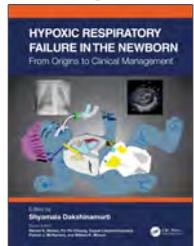
Hb: 978-0-815-34870-2: **£150.00**

eBook: 978-1-351-16612-6

* For full contents and more information, visit: www.routledge.com/9780815348702

Hypoxic Respiratory Failure in the Newborn

From Origins to Clinical Management



Edited by **Shyamala Dakshinamurti**, University of Manitoba, Canada

This comprehensive volume by expert authors addresses the origins of hypoxia tolerance, the impact of oxygen on circulatory transition at birth, and the biochemistry of hypoxia in the pulmonary circuit, and the classification, diagnosis and clinical management of hypoxic respiratory failure and persistent pulmonary hypertension in the term neonate. The book will educate health care professionals on how to care for newborns with hypoxic respiratory failure, including use of up-to-date diagnostic tools and therapies, and highlights areas of

controversy and ongoing research in hypoxic respiratory failure and pulmonary hypertension of the newborn, including challenging case studies.

CRC Press

Market: Medicine

October 2021: 8.25 x 11: 268pp

Hb: 978-0-367-49399-8: **£120.00**

eBook: 978-0-367-49401-8

* For full contents and more information, visit: www.routledge.com/9780367493998

Ultrasound of the Diaphragm and the Respiratory Muscles

Edited by **Massimo Zambon**, Uboldo Hospital, Cernusco sul Naviglio, Milan, Italy

Ultrasound is the most reliable, easily available, fast, non-invasive technique to study diaphragm function, and is an irreplaceable tool to diagnose, monitor and follow-up critical respiratory patients. This essential guide analyses every aspect of ultrasound of the diaphragm, a reliable assessment of whose function is vital to provide the most suitable treatment. It provides insight to diagnose diaphragmatic dysfunction or paralysis following surgery or neuromuscular diseases, to follow the muscular activity and the time-course of atrophy during mechanical ventilation, and to monitor the weaning phase. It is ideal for professionals and trainees practicing ultrasound in a clinical setting.

CRC Press

Market: Medicine

February 2022: 6.14 x 9.21: 160pp

Hb: 978-0-367-65277-7: **£180.00**

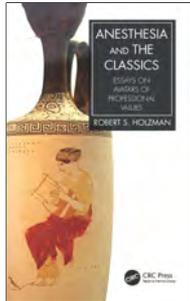
Pb: 978-0-367-65276-0: **£69.99**

eBook: 978-1-003-12869-4

* For full contents and more information, visit: www.routledge.com/9780367652777

Anesthesia and the Classics

Essays on avatars of professional values



Robert S. Holzman, Boston Children's Hospital

A collection of 25 thought provoking Essays which create a bridge between the Classical personification of values and link them to current training and education in Western Medicine. This readable and erudite text provides a framework for modern clinical values - with a particular emphasis on anesthesiology - set in the context of ageless dilemmas facing each generation of physicians. Anesthesiologists, Certified Registered Nurse Anesthetists and Anesthesia Assistants will find much to enhance their professional understanding within this text.

CRC Press

Market: Medicine

January 2022: 5.5 x 8.5: 320pp

Hb: 978-1-032-06241-9: £99.99

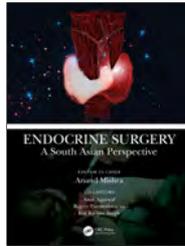
Pb: 978-1-032-04901-4: £39.99

eBook: 978-1-003-20132-8

* For full contents and more information, visit: www.routledge.com/9781032062419

Endocrine Surgery

A South Asian Perspective



Edited by Anand Kumar Mishra, KGMU, Lucknow, India., Amit Agarwal, SGPGIMS, Lucknow, India., Rajeev Parameswaran, NUHS, Singapore. and Kul Ranjan Singh, KGMU, Lucknow, India.

This comprehensive book on Endocrine Surgery covers disorders of thyroid, parathyroid, adrenal glands along with neuroendocrine tumors of pancreas and gastrointestinal tract. It is a comprehensive, up-to-date treatise covering embryology, anatomy, etiology, clinical manifestations, diagnoses, and treatment modalities of surgical endocrine diseases. The authors explore the pertinent surgical endocrinology topics with a South

Asian perspective. Color illustrations, flowcharts and tables make the topics lucid for professionals. This book provides the essential information surgeons require for evaluation and management of patients, both with straight forward, and complex endocrine problems.

CRC Press

Market: Medicine

December 2021: 8.25 x 11: 502pp

Hb: 978-0-367-18638-8: £300.00

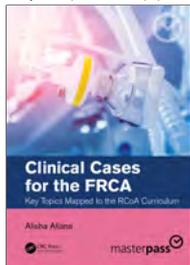
Pb: 978-1-032-13650-9: £130.00

eBook: 978-0-429-19733-8

* For full contents and more information, visit: www.routledge.com/9780367186388

Clinical Cases for the FRCA

Key Topics Mapped to the RCoA Curriculum



Alisha Allana

Series: Master Pass Series

The Final FRCA Viva is the last postgraduate examination many trainees will ever take. Preparation is invaluable not only to pass the exam, but also to feel ready to take the next steps to becoming a senior registrar. This book provides short, succinct clinical cases that are mapped to the RCoA curriculum, and are suitable for use as a tool for teaching or as a viva revision guide. FRCA exam questions can be answered correctly and confidently as a result of using this guide. Whilst aimed primarily at the Final FRCA, it is useful for Primary FRCA, FFICM and EDIC, as well as for those running teaching courses, simulation programmes.

CRC Press

Market: Medicine

January 2022: 6 x 9: 248pp

Hb: 978-0-367-74211-9: £89.99

Pb: 978-0-367-69803-4: £34.99

eBook: 978-1-003-15660-4

* For full contents and more information, visit: www.routledge.com/9780367742119

Operative Surgery for Head and Neck Tumors

Edited by Jagdeep Thakur, Indira Gandhi Medical College, India and Ripu Daman Aroda, AIIMS, Raipur, India.

This book emphasizes on clinical, radiological and laboratory assessment of operative surgery in common head and neck surgical procedures. It provides a systematic and rational operative approach to management in day-to-day practice. A photographic style is used, wherein high-quality photographs provide visual details to reveal each step of the procedure. This photographic content of each surgical step on patient or cadaver makes this book a valuable resource for surgical residents, fellows, junior consultants, and general surgeons who manage head and neck cases and would learn to deftly perform the procedures.

CRC Press

Market: Medicine

January 2022: 7 x 10: 248pp

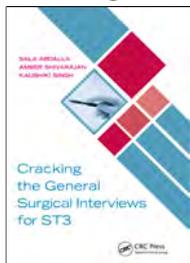
Hb: 978-0-367-43012-2: £190.00

Pb: 978-1-032-15581-4: £74.99

eBook: 978-0-367-43013-9

* For full contents and more information, visit: www.routledge.com/9780367430122

Cracking the General Surgical Interviews for ST3



Sala Abdalla, BSc MBBS MRCS is a senior Specialist Registrar in General Surgery based in London and a member of the Royal College of Surgeons of England, UK., Amber Shivarajan, King's College Hospital, UK and Kaushiki Singh, King's College London, UK

ST3 interviews are extremely competitive and achieving the highest possible score is essential in securing the surgical training post of choice. The key to success is through diligent preparation. This book outlines the structure and format of the ST3 general surgical interviews, with chapters dedicated to each component area that is assessed on the day. Written in an engaging style, it provides essential guidance with all the required material in one

book, a bonus for many readers with time constraints imposed by a demanding work schedule. This resource provides readers with the tools and confidence needed to succeed at the ST3 general surgical interview.

CRC Press

Market: Medicine

January 2022: 6.14 x 9.21: 200pp

Hb: 978-1-032-11835-2: £99.00

Pb: 978-1-032-07326-2: £29.99

eBook: 978-1-003-22173-9

* For full contents and more information, visit: www.routledge.com/9781032118352

Ophthalmic Epidemiology

Current Concepts to Digital Strategies

Edited by Ching-Yu Cheng, Duke-NUS Medical School, Singapore and Tien Yin Wong, Arthur Lim Professor of Ophthalmology Medical Director, Singapore National Eye Centre Chairman, Singapore Eye Research Institute Vice Dean, Duke-NUS Medical School, Singapore

This book provides a comprehensive guide to graduate students, ophthalmologists, and researchers in ophthalmic epidemiology. It covers recently developed new methodologies, technologies and resources in ocular epidemiological research, such as telemedicine, disease registries, EMR, bio-banks and omics. This book also summarizes recent epidemiological findings and provides up-to-date data on ocular diseases. Furthermore, it introduces and discusses the uses of epidemiology in the evaluation of health services and population screening programs and reviews the application of epidemiology in intervention trials in the communities.

CRC Press

Market: Medicine

May 2022: 7 x 10: 320pp

Hb: 978-1-138-50588-9: £190.00

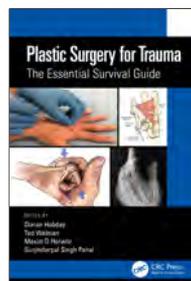
Pb: 978-1-032-24759-5: £74.99

eBook: 978-1-315-14673-7

* For full contents and more information, visit: www.routledge.com/9781138505889

Plastic Surgery for Trauma

The Essential Survival Guide



Edited by **Dorian Hobday**, Royal London Hospital, **Ted Welman**, Royal London Hospital, **Maxim D. Horwitz** and **Gurjinderpal Singh Pahal**

Covers the immediate assessment and management of common plastic and reconstructive surgery emergencies and referrals. With clear descriptions of difficult trauma scenarios, illustrated with numerous figures, and updated guidelines for each step of practice, this book will ensure that the reader can access all the information required to help gain confidence and experience. This book provides the support to allow rational and confident clinical decision making from the start. Essential reading for all non-specialists and trainees.

CRC Press

Market: Medicine

March 2022: 5.06 x 7.81: 228pp

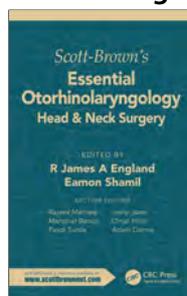
Hb: 978-0-367-75736-6: **£99.00**

Pb: 978-0-367-75070-1: **£39.99**

eBook: 978-1-003-16377-0

* For full contents and more information, visit: www.routledge.com/9780367757366

Scott-Brown's Essential Otorhinolaryngology, Head & Neck Surgery



Edited by **R. James A. England**, Hull teaching Hospitals NHS Trust, Hull, UK and **Eamon Shamil**, Specialist Registrar in ENT - Head & Neck Surgery, Guy's and St Thomas' NHS Foundation Trust, London, UK

A portable handbook that provides a concise summary of ENT surgery based on content from Scott-Brown's Otorhinolaryngology, Head & Neck Surgery. This evidence-based resource provides easy access to information on clinical presentation, investigation, and the management of medical and surgical ENT conditions.

CRC Press

Market: Medicine

January 2022: 6.14 x 9.21: 598pp

Hb: 978-1-032-00830-1: **£140.00**

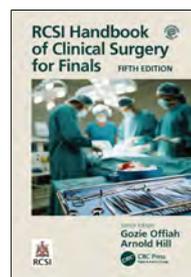
Pb: 978-1-138-60848-1: **£54.99**

eBook: 978-1-003-17599-5

* For full contents and more information, visit: www.routledge.com/9781032008301

5th Edition

RCSI Handbook of Clinical Surgery for Finals



Edited by **Gozie Offiah** and **Arnold Hill**

Developed over previous editions by the Royal College of Surgeons of Ireland to support students attending the three RCSI universities. This convenient handbook provides pragmatic guidance to the principles and practice of surgery that students can expect to encounter during undergraduate and early postgraduate studies. Spanning the full range of surgical specialties, information is presented in a clinically relevant format that takes the students through the patient journey. Thoroughly updated, this edition has enhanced pedagogy and, for the first time, is accompanied by video clips and questions for self testing.

CRC Press

Market: Medicine

December 2021: 5.83 x 8.27: 456pp

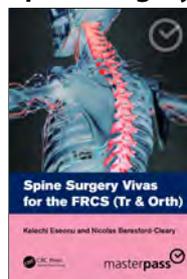
Hb: 978-1-032-07495-5: **£89.99**

Pb: 978-1-032-07494-8: **£34.99**

eBook: 978-1-003-20718-4

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Spine Surgery Vivas for the FRCS (Tr & Orth)



Kelechi Eseonu, St Michaels Hospital, Toronto and **Nicolas Beresford-Cleary**, The University of Edinburgh

Up to date and evidence-based answers to a wide range of spinal surgical questions that could be asked in the FRCS (Tr & Orth) Viva exam. Using a clear, case-based structure key points emphasise the core information that will improve the performance of every surgical in training.

Sections cover all the key areas of Trauma, Degenerative spinal pathology, Spinal cord injury, Spinal deformity, Primary bone tumours, Metastatic disease, Paediatric spinal surgery, Basic sciences, and other topics.

Suitable for use by trainees at all levels in orthopaedic surgery and neurosurgery, both in the UK and internationally, and those with an interest in spinal surgery.

CRC Press

Market: Medicine

January 2022: 6.85 x 9.69: 200pp

Hb: 978-1-032-06235-8: **£115.00**

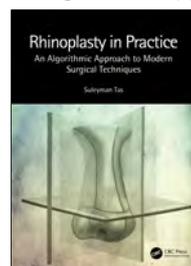
Pb: 978-1-032-06231-0: **£44.99**

eBook: 978-1-003-20130-4

* For full contents and more information, visit: www.routledge.com/9781032062358

Rhinoplasty in Practice

An Algorithmic Approach to Modern Surgical Techniques



Suleyman Tas

This book will enable the reader, regardless of their experience, to master the best rhinoplasty practice. It includes all contemporary techniques such as preservation, structural, and atraumatic rhinoplasty concepts, and makes them very practical to apply. *Rhinoplasty in Practice* not only explains the anatomy, historical evaluations, philosophy, descriptions, indications, limitations, and complications of rhinoplasty but also reports many innovative and unpublished data, tips, and tricks for success.

CRC Press

Market: Plastic Surgery

February 2022: 8.25 x 11: 154pp

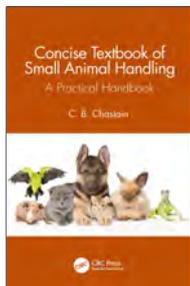
Hb: 978-1-032-00434-1: **£150.00**

eBook: 978-1-003-17416-5

* For full contents and more information, visit: www.routledge.com/9781032004341

Concise Textbook of Small Animal Handling

A Practical Handbook



C. B. Chastain, Univ. of Missouri, College of Veterinary Medicine, Columbia, USA

This instructional pocket reference condenses the most important aspects of small animal handling. It provides a portable, durable means of learning 'on the ground'. Spiralbound for practical use at the animal's side during veterinary placements in a clinic or laboratory, the text covers handler safety, animal safety, sanitation, approach and capture, handling for medical procedures and use and supply sources of restraint equipment. A Companion Website provides additional self-assessment questions and answers to aid learning. Important reading for undergraduate veterinary students as well as practicing technicians, nurses and assistants.

CRC Press

Market: Veterinary Medicine

February 2022: 6.14 x 9.21: 200pp

Hb: 978-0-367-62814-7: **£74.99**

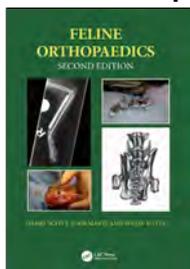
Pb: 978-0-367-62813-0: **£29.99**

eBook: 978-1-003-11092-7

* For full contents and more information, visit: www.routledge.com/9780367628147

2nd Edition

Feline Orthopaedics



Harry Scott, Southern Counties Veterinary Specialists, Hangersley, Ringwood, Hampshire, United Kingdom, **Juan M. Marti** and **Philip Witte**, Southern Counties Veterinary Specialists, Hangersley, Ringwood, Hampshire, United Kingdom

Cats are not referred to specialists as frequently as dogs, meaning the general practitioner must routinely treat cats that have been involved in traffic accidents and other musculoskeletal trauma.

This book was the first to provide a practical and user-friendly guide to feline orthopaedics and this second edition has been thoroughly updated, with new chapters on Physiotherapy and Oncology of the Feline Skeletal System. The text is supported

by high quality radiographs, colour photographs and line drawings to illustrate principles, techniques and procedures, appealing to GP veterinarians, specialist feline practitioners and students.

CRC Press

Market: Veterinary Medicine

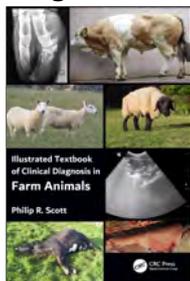
January 2022: 8.25 x 11: 449pp

Hb: 978-1-498-76497-1: **£95.00**

eBook: 978-0-429-09153-7

* For full contents and more information, visit: www.routledge.com/9781498764971

Illustrated Textbook of Farm Animal Clinical Diagnosis



Philip R Scott, Edinburgh Veterinary School

Providing veterinary students with a brand-new approach to large animal medicine, this portable textbook first describes the detailed examination of each organ system achievable on the farm, illustrated via 2000+ unique images and 1000+ video recordings. Key points, images and video recordings then provide differential diagnoses for common farm animal clinical presentations. The repository of video clips show the clinical presentation, diagnosis, recovery or pathology of all common disorders. Small and spiral-bound, the book offers a lifeline for veterinary students during their EMS (extra-mural studies) placements.

CRC Press

Market: Veterinary Medicine

March 2022: 7 x 10: 496pp

Hb: 978-1-032-19750-0: **£140.00**

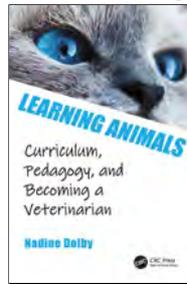
Pb: 978-0-367-61270-2: **£54.99**

eBook: 978-1-003-10645-6

* For full contents and more information, visit: www.routledge.com/9781032197500

Learning Animals

Curriculum, Pedagogy and Becoming a Veterinarian



Nadine Dolby, Purdue University, USA

Instead of teachers, society considers veterinarians to be the primary experts about animals. Despite this, the field of education knows very little about veterinary education. What do veterinarians learn in veterinary school? What experiences shape their perceptions of animals? How do the structures, curriculum, and pedagogies of veterinary colleges shape these experiences? This book opens this conversation through the complicated, fascinating stories of a cohort of veterinary students. It shows how what veterinarians learn through their studies influences and shapes how humans relate to animals.

CRC Press

Market: Education

March 2022: 6.14 x 9.21: 192pp

Hb: 978-1-032-21781-9: **£52.99**

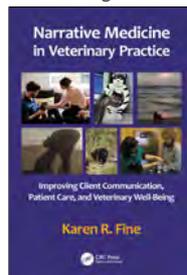
Pb: 978-1-032-21259-3: **£19.99**

eBook: 978-1-003-26998-4

* For full contents and more information, visit: www.routledge.com/9781032217819

Narrative Medicine in Veterinary Practice

Improving Client Communication, Patient Care, and Veterinary Well-being



Karen R. Fine

This is the first guide to Veterinary Narrative Medicine, a cutting-edge approach with multiple applications, including improved client communication, medical outcomes, and veterinary wellbeing. It explores techniques and theories from human Narrative Medicine while addressing topics unique to veterinary medicine. Communication with caretakers is vital for veterinarians as the patient cannot speak; veterinary practitioners must consider the stories of human clients as well as animal patients. Awareness of these narratives can also help practitioners set and maintain emotional and work-place boundaries, and decrease burnout and compassion fatigue.

CRC Press

Market: Veterinary Medicine

October 2021: 6.85 x 9.69: 210pp

Hb: 978-0-367-64763-6: **£64.99**

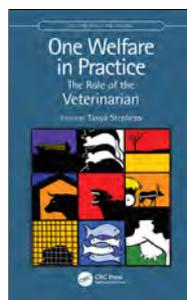
Pb: 978-0-367-64761-2: **£24.99**

eBook: 978-1-003-12613-3

* For full contents and more information, visit: www.routledge.com/9780367647636

One Welfare in Practice

The Role of the Veterinarian



Edited by **Tanya Stephens**

Series: *CRC One Health One Welfare*

The book demonstrates, through a wide range of international case studies, why professional ethics and the use of good evidence is integral to this role. *One Welfare in Practice: The Role of the Veterinarian* emphasises the importance of interdisciplinary collaboration and solutions. It is essential that veterinary practitioners recognise when other professionals need to be consulted to benefit both animals and humans. With its multiple, fascinating approaches to One Welfare, this book will inform and inspire the veterinarian to find areas where collaborative action reaps the greatest rewards. This unique book shows how veterinarians can improve animal and human welfare.

CRC Press

Market: Veterinary Medicine

October 2021: 6 x 9: 414pp

Hb: 978-1-032-11078-3: **£99.99**

Pb: 978-0-367-90406-7: **£42.99**

eBook: 978-1-003-21833-3

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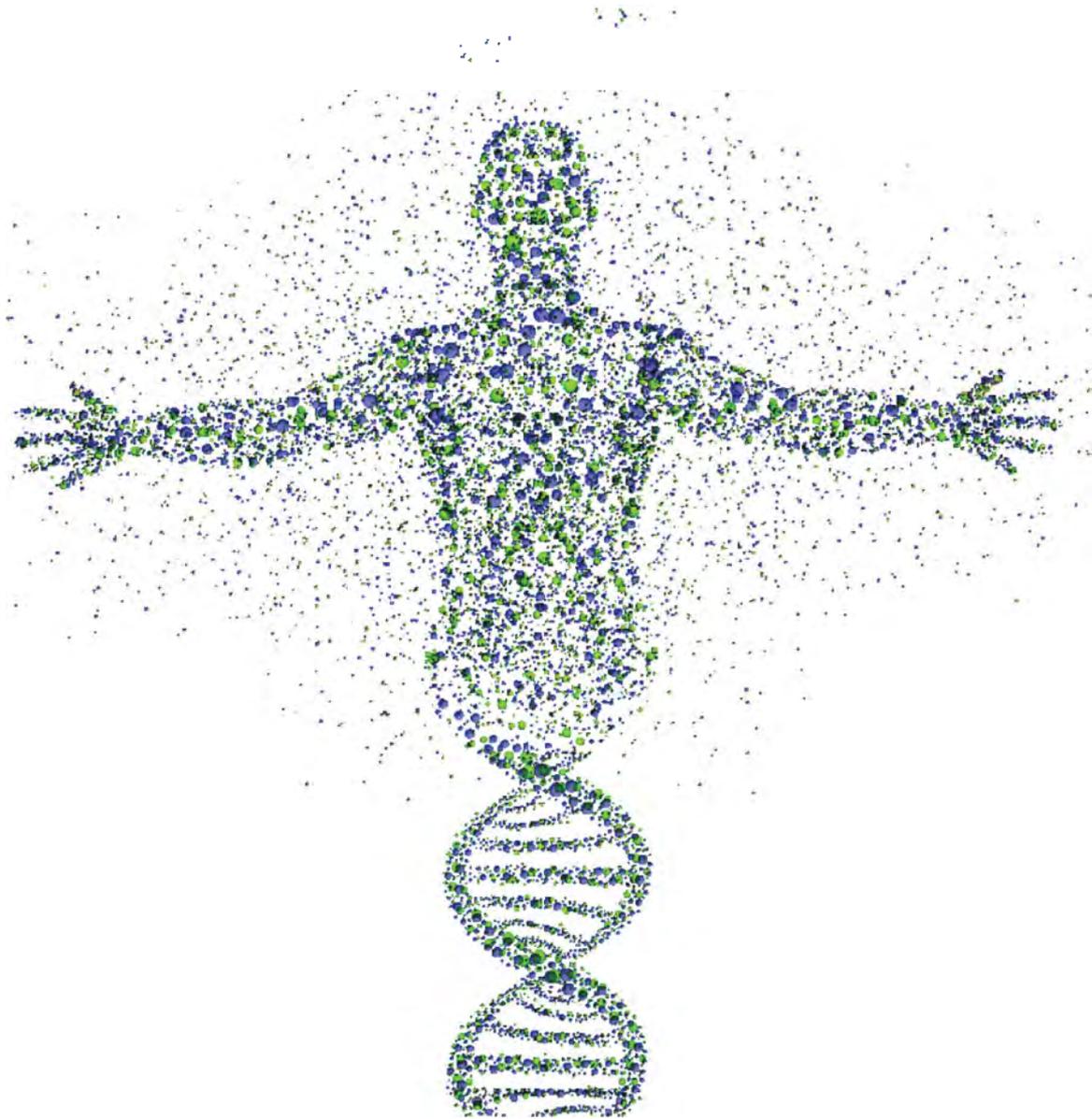
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