Highlights Medical Science Catalogue 2020

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by Jit Seng Tan & Shing Yuen Teo (Lotus Eldercare Pte Ltd, Singapore)
by Chu Qin Phua (Singapore)
by Nigel Fong (Singapore General Hospital, Singapore)

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THE ENCYCLOPEDIA OF MEDICAL ROBOTICS
(In 4 Volumes) Volume 1: Minimally Invasive Surgery
Reviewer: John K-J Li (Rutgers University, USA)
Edited by Rajini V Patel
(University of Western Ontario, Canada), Antoine Ferreira
(Institut National des Sciences Appliquées Centre Val de Loire, Campus Borges, France)
& Sunil Agrawal (Columbia University, USA)

The Encyclopaedia of Medical Robotics combines contributions in four distinct areas of Medical robotics, namely: Minimally Invasive Surgical Robotics, Micro and Nano Robotics in Medicine, Image-guided Surgical Procedures and Interventions, and Rehabilitation Robotics.

490pp
Sep 2019
US$168 £150

MEDICAL SENSORS AND
LAB-ON-A-CHIP DEVICES
Mechanisms, Biofunctionalization and Measurement Techniques
Reviewer: Vinod Kumar Khanna
(CSIR-Central Electronics Engineering Research Institute (CSIR-CEERI), Pilani, India)

This book provides a comprehensive coverage of sensor and lab-on-a-chip technologies for medical applications. Presenting a unified coverage of the operational principles and fabrication issues of the sensors and related chips, this important compendium describes the contemporary electronic devices that help to identify and effectively combat different diseases and malfunctions of the human body. It is intended to serve as an essential textbook or reference book for graduate/postgraduate students in electrical and electronic engineering, biomedical engineering, and those pursuing a course on sensor technologies in medicine. Research students and scientists too will find the self-explanatory diagrams and end-of-chapter bibliographies very useful.

744pp
Feb 2018
US$188 £65

THE PROMISE OF SCIENCE
Essays and Lectures from Modern Scientific Pioneers
Edited by Lorie Karnath
(Molecular Frontiers Foundation, Sweden)

This thought-provoking publication covers a wide-range of innovative areas of research and technologies that are unlocking groundbreaking new potentials in science. It contains important scientific information gleaned from the lectures of some of the world’s experts in their respective fields. The book offers exceptional scientific insights, oftentimes addressing challenges before they are even recognized as questions. Chronicling the revolutionary ideas of Nobel Laureates, winners of Wolf Prize, US National Medal of Science and other notable scientists.

296pp
May 2019
US$88 £75

MOLECULAR IMAGING
Basic Principles and Applications in Biomedical Research
(3rd Edition)
by Markus Rudin (ETH Zurich, Switzerland)

This volume familiarizes the reader with the concepts of imaging and molecular imaging in particular. Basic principles of imaging technologies, reporter meldies for the various imaging modalities, and the design of targeted probes are described in the first part. The second part illustrates how these tools can be used to visualize relevant molecular events in the living organism. The third edition has been extended considerably. This holds for the chapter on imaging modalities, which now includes sections on intravital microscopy and mass spectrometric imaging. All chapters have been updated and a new chapter on the challenges of translating molecular imaging solutions for clinical use has been added.

490pp
Sep 2019
US$168 £150

DYNAMICS OF THE VASCULAR SYSTEM
Interaction with the Heart
(2nd Edition)
by John K-J Li (Rutgers University, USA)

Review of the First Edition:
"... is a new book by one of the world’s greatest experts on bioengineering aspects of hemodynamics. It provides an excellent elementary introduction to this topic."

Biomedical Engineering Online
The first edition of the book was written employing mathematical techniques to formulate the physical principles involved in the structural and functional correlates of the underlying physiology.

This current and self-contained second edition updates many of the new findings since its first edition a decade ago. It also includes a new chapter on the “Interaction with the Heart”. The dynamics of the arterial system, the venous system, the microcirculation and their interaction with the heart are quantitatively described in terms of their structures and functions.

296pp
Sep 2018
US$98 £85

Check out the FREE articles online!
COMPUTATIONAL AND MATHEMATICAL METHODS IN CARDIOVASCULAR PHYSIOLOGY
by Liang Zhong (National Heart Centre Singapore, Singapore), Ru San Tan (National Heart Centre Singapore, Singapore), Eddie Yin Kwee Ng (Nanyang Technological University, Singapore) & Dhanjoo N Ghista (University 2020 Foundation, USA)

This book has literally transformed Cardiovascular Physiology into a STEM discipline, involving (i) quantitative formulations of heart anatomy and physiology, (ii) technologies for imaging the heart and blood vessels, (iii) coronary stenosis hemodynamics measure by means of fractional flow reserve and intervention by grafting and stenting, (iv) fluid mechanics and computational analysis of blood flow in the heart, aorta and coronary arteries, and (v) design of heart valves, percutaneous valve stents, and ventricular assist devices.

460pp May 2019
978-981-3270-63-3 US$148 £130

EXERCISE AND SPORTS CARDIOLOGY
(In 3 Volumes) Volume 1: Cardiac Adaptations and Environmental Stress During Exercise, Volume 2: Specific Diseases and Athletes, Volume 3: Exercise Risks, Cardiac Arrhythmias and Unusual Problems in Athletes
edited by Paul D Thompson (Hartford Hospital, USA & University of Connecticut, USA) & Antonio B Fernandez (Hartford Hospital, USA & University of Connecticut, USA)

This book provides a definitive review of current practice and thinking surrounding the often difficult and life-changing practice of sports cardiology. Topics which remain a challenge for practitioners, athletes and families are investigated, including cardiovascular screening, exercise participation prescription, and prevention strategies for sudden cardiac arrest. Also given are medical guidelines for diagnosis, management and treatment of specific cardiac illnesses.

Based on their earlier work Exercise and Sports Cardiology (2001), editors Paul Thompson and Antonio Fernandez have provided an updated, improved 3-part reference work for cardiologists, physicians, coaches, trainers, medical students and researchers with a comprehensive go-to reference for modern day concerns in the expanding field of sports cardiology research and treatment.

972pp Apr 2018
978-1-78634-155-6 US$1300 £1079

CORONARY CT ANGIOGRAPHY IN THE QUANTITATIVE ANALYSIS OF CORONARY PLAQUES
by Zhonghua Sun (Curtin University, Australia)

This book provides a comprehensive overview of the author’s work which includes significant developments of coronary CT angiography in the diagnosis of coronary plaques. The main contributions of the book lie in the following areas: both 2D and 3D analysis of coronary plaques with coronary CT angiography, diagnostic value of coronary CT angiography with use of different multislice CT scanners, quantitative analysis of coronary plaques in terms of lumen assessment, and bifurcation angle analysis, in particular, the diagnostic performance of coronary CT angiography in calcified plaques, and finally, hemodynamic analysis of plaques with regard to the effects of plaques on coronary blood flow, and CT-derived fractional flow reserve (FFRCT).

164pp Feb 2018
978-981-4725-61-3 US$98 £86

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JOURNAL OF INNOVATIVE OPTICAL HEALTH SCIENCES (JIOHS)
https://www.worldscientific.com/jiohs

JIOHS serves as an international forum for the publication of the latest developments in all areas of photonics in biology and medicine. JIOHS will consider for publication original papers in all disciplines of photonics in biology and medicine, including but not limited to:
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JIOHS provides a vehicle to help professionals, graduates, engineers, academics and researchers working in the field of intelligent photonics in biology and medicine to disseminate information on the state-of-the-art technique.

TRADITIONAL MEDICINE AND MODERN MEDICINE (TMMM)
https://www.worldscientific.com/tmmm

This international journal aims to give access to better communication and further integration among traditional medicines in China and abroad so as to promote the development of traditional medicines worldwide. Investigations into traditional medicines with the theories and techniques of modern medicines will enhance the integration between them, thus contributing to the advancement of medicine.

The following types of articles are considered for publication:
1) Research article (including theory research), 2) Review article, 3) Case report, 4) Insight.

HONG KONG PHYSIOTHERAPY JOURNAL
https://www.worldscientific.com/hkpj

This Journal (HKPJ) is the official peer-reviewed, Open Access (OA) publication of the Hong Kong Physiotherapy Association. HKPJ publishes papers related to all areas of physiotherapy (education, research, practice, policies) and is committed to facilitating communication among educators, researchers and practitioners in the field with the aim of promoting evidence-based practice. We are particularly interested in publishing randomized controlled trials, systematic reviews and meta-analyses. Animal studies are also welcome if the study question and findings have important relevance to physiotherapy practice.
REGENERATION OF SALIVARY GLANDS
edited by Guy Carpenter (King’s College London, UK)

Regeneration of Salivary Glands examines the current state of salivary regeneration by understanding the normal processes of development, function and tissue repair. It also explores the experimental and clinical approaches to stem cell therapy, mostly for irradiation induced salivary gland damage.

Irradiation of head and neck cancers often involves the inclusion of salivary glands as it is difficult to focus the beams accurately enough. As a result, salivary gland damage.

This process involves several signaling pathways, but the Wnt pathway is the leading cause for patients not completing their treatments. Based on basic research that has shown stem cells develop into salivary glands, the regeneration process recapitulates aspects of this stem cell differentiation.

Based on a comprehensive guide to anatomic structures in the upper abdomen is the first understanding the human anatomic structure on ultrasound. This widely accepted as a powerful tool for the exploration of organs outside of the gastrointestinal lumen. The first step in the learning of longitudinal EUS is the first understanding the human anatomic structure on ultrasound.

Longitudinal endoscopic ultrasound (EUS) is now widely accepted as a powerful tool for the exploration of organs outside of the gastrointestinal lumen. The first step in the learning of longitudinal EUS is the first understanding the human anatomic structure on ultrasound. This book provides both the beginner and the middle level endosonographers with a comprehensive guide to anatomic structures in the upper abdomen in longitudinal EUS. Through the use of numerous colour images and supplemented with online video clips, this book will be a great help in mastering longitudinal EUS.

LONGEVITY IN THE 2.0 WORLD
Would Centenarians Become Commonplace?
by Jean-Pierre Fillard (University of Montpellier II, France)

This book is in no way a medical textbook; it only aims at providing a wide in-depth thinking about the growing life expectancy in the current digital age.

With the rising 21st century, flurries of new knowledge and technological opportunities have already merged. Longevity has recently become a major concern in our current societies. This has long been, in no way, a new issue as life expectancy was known to rise noticeably for a long time with improving life conditions, but the present breakthroughs in science and technology of the world 2.0 have led to deep changes in our way of life so that new prospects have surged.

Now the leading key words are rejuvenation, juvenescence, ageing reversal or, bluntly, transformed, repaired, improved man. The last part of the book will, tentatively, suggest the consequences and the foreseeable issues such a breakthrough that could afford us in a close future to come.

A question has arisen now: would this 100 years wall come down in a foreseeable future, thus opening up the way for a larger part of us to become seamlessly centenarians, instead of some individuals exceptionally favored in the foreseeable future, thus opening up the way for a larger part of us to become seamlessly centenarians, instead of some individuals exceptionally favored by Nature, thus far. A kind of centenarian democratization!

THE FUTURE OF HOMO
by Michel Odent (Primal Health Research Centre, UK)

The book offers an antithesis to countless published documents about “natural childbirth”. It is challenging the dominant ways of thinking through radically new ways of interpreting the physiological processes.

More than ever, Michel Odent is pushing the explorers of the future to consider the probable transformations of Homo as a central and necessary issue. The matter is enlarged with considerations about long-term thinking, the “future of futurology” and “the evolution of evolutionary thinking”.

The endpoint of the book is related to the limits of the domination of nature: how can childbirth be desocialised?

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GLOBALISATION OF VARIOLATION
The Overlooked Origins of Immunity for Smallpox in the 18th Century
by Alicia Grant (Royal Society of Medicine, UK)

“Dr Alicia Grant brings new evidence to bear and traces the changing techniques of variolation in the seventeenth and eighteenth centuries as they were diffused across Eurasia and North America. Her book is the only thorough modern study known to me. It places the subject on a new footing and deserves a wide readership.”

Professor Peregrine Horden
Royal Holloway, University of London

Devastating epidemics of untreatable smallpox caused not only deaths but dire disfigurements of face and body as well as one third of all blindness. In the 20th century mortality was estimated at 300 million up to 1978, the year it was proclaimed to be eradicated. Historically, the fact has been overlooked, often forgotten, that the preventive practice of variolation for smallpox was widely adopted internationally during the 18th century and was the precursor to refinement as cowpox vaccination. Never previously traced was the extensive global adoption of the technique or the impetus for this transmission and how, in these countries of its adoption, variolation was the prime mover for a national concept of public health with the establishment of free institutions. The global adoption of the first invasive medical prophylaxis for any disease, the origin of immunity, deserves its place in history.

376pp May 2019
978-1-78634-584-4 US$128 £115

MEMOIRS OF A CANCER RESEARCHER
by Jose Russo (The Fox Chase Cancer Center-Temple Health, Philadelphia, USA)

This narrative of a cancer researcher spans a period in which biomedicine research has been so revolutionary. The educational background and socioeconomic circumstances of the author make the story unique, shedding light on many important intellectual achievements. The author also provides an insightful view on how decisions at the upper echelon of scientific institutions affect cancer researchers. The vivid account of scientific discovery and intellectual evolution provides a fine example for the next generation of cancer researchers.

688pp Mar 2019
978-981-3271-19-7 US$88 £75

CALIFORNIA CURES!
How the California Stem Cell Program is Fighting Your Incurable Disease!
by Don C Reed (American for Cures Foundation, USA)

In a series of connected stories, accurate though written to entertain, “California Cures” relates a war: science against disease, with lives on the line. Think what it means for a paralyzed young man to recover the use of his hands, or for a formerly-blind mother to see her teenage children — for the first time! Do you know the “bubble-baby” syndrome? Infants without a proper immune system typically die young; a common cold can kill. But for eighteen babies in a stem cell clinical trial, a different outcome started. Do you know the “bubble-baby” syndrome?

Will California build on success — and invest $5 billion more in stem cell research?

352pp Mar 2018
978-981-3231-36-8 US$98 £86
978-981-3270-38-1(pbk) US$48 £40

CARING FOR DEPENDENT OLDER PERSONS
Caring for Dependent Older Persons details the knowledge that a caregiver should have when caring for an older person who is dependent on his/her care.

The main part of this book is a step-by-step guide on all the necessary skills needed when helping an older person with his/her Activities of Daily Living, monitoring of the person’s health and the overall care of the older person. This book provides holistic knowledge by explaining how age and disease affect an older person. It also covers the potential stress that a caregiver may endure while taking care of an older person. It is a valuable reference guide for a caregiver during the journey of caregiving. This book is the first of its kind to provide caregivers with comprehensive information on taking care of a dependent older person, especially in the Singapore context. The step-by-step explanation can be a reference guide for caregivers before or after their caregiver training.

The financial help section gathers information on all the schemes available in Singapore that can help with the care of a dependent older person. A comprehensive list of financial help available in Singapore is also detailed in this section.

104pp Nov 2018
978-981-3239-99-9(pbk) US$28 £25

PATHOLOGICAL SPECIMENS AND GENOMIC MEDICINE
Emerging Issues
by Michael A Tangrea (Sinai Hospital of Baltimore, LifeBridge Health, USA), Avi Z Rosenberg (Johns Hopkins University, USA), & Michael R Emmert-Buck (Avoneaux Medical Institute, USA)

Pathological Specimens and Genomic Medicine — Emerging Issues surveys various fields and medical disciplines related to the implementation of the new field of genomic medicine. The book includes sections on specimen processing, the effects of tissue fixation and storage impact on downstream molecular assays, image analysis and its role in the pathology workflow, molecular evaluation of samples, and how to present data to clinicians. The book contains examples of cases where these innovative technologies are applied in the real world, and also presents a look into the future of the field of genomic medicine.

380pp Mar 2019
978-981-3276-22-2 US$148 £130

GENOMIC URACIL
Evolution, Biology, Immunology and Disease
by Geir Slupphaug & Hans Einar Krokan (Norwegian University of Science and Technology, Norway)

This book describes genomic uracil in evolution, as a DNA constituent in adaptive and innate immune responses and as a mutagenic lesion causing cancer. Genomic uracil is as old as life and may have been a component in self-replicating molecules in the prebiotic era. The first living cells probably contained uracil in DNA, later to be replaced by thymine. The aim of the book is to contribute a reference text for graduate students, molecular biologists, immunologists and cancer biologists.

304pp Jul 2018
978-981-3233-49-2 US$128 £115
**HEALTH CARE**

**REMOTE MEDICINE**

A Textbook for Trainee and Established Remote Healthcare Practitioners

*edited by Gamini Gunawardane (California State University at Fullerton, USA & California State University at Los Angeles, USA)*

This is the first major textbook on the emerging specialty of remote healthcare. This started in the 1970s when the medical directors of the main oil companies then involved — BP, Shell and Mobil — sought help from the University sector. Together with Aberdeen University they developed a system of healthcare for the industry which brought down the mortality and morbidity levels to reduced levels. The system worked well and was validated by duplication for the different scientific populations of the British Antarctic Survey. Subsequently it was translated to the oilfields of the Middle East — Qatar (Offshore and Onshore), Abu Dhabi (ADMA and ADCO) and Oman (PDO) where its success was repeated.

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**HEALTH REFORMS ACROSS THE WORLD**

The Experience of Twelve Small and Medium-sized Nations with Changing Their Healthcare Systems

*by Kieke Okma (McGill University, Canada & Catholic University, Leuven, Belgium)*

This book presents the health reform experiences over the past three decades of twelve small and medium-sized nations that are not often included in international comparative studies in this field. The major conclusion of the study is that despite many similarities in policy goals, policy challenges and in the menu of policy options for countries that seek to offer universal coverage to their population, the health reforms of the nations in this book did not converge into one direction or model. However, we found several widespread policy experiences that are relevant for others, too.

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**MODERN HEALTH CARE MARKETING**

*by Gamini Gunawardane (California State University at Fullerton, USA & California State University at Los Angeles, USA)*

This book aims to comprehensively address several modern concepts and practices in health care marketing not sufficiently addressed by existing literature. This includes the integrated nature of health care marketing, operations management, IT and human resource management; increased use of digital technology and social media; emphasis on enhancing customer-patient experience when strategizing and implementing health care marketing; application of modern services marketing concepts to health care marketing mix, among others.

Modern Health Care Marketing is an essential read to understand the integrated nature of health care marketing in the technologically driven, customer/patient-focused and globalized environment. It is also a useful reference for professionals to pick up best practices on addressing challenges faced in the modern health care industry.

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**INFLAMMATION**

Fundamentals and Mechanisms

*edited by Klaus Ley (La Jolla Institute for Allergy and Immunology, USA)*

*Inflammation is important in many diseases, yet it is hard to find current information on the pertinent cellular and molecular mechanisms of inflammation.* This book is a current and authoritative review of various aspects of inflammation in mammalian organisms. Basic principles, including regulation by cytokines, lipid mediators, reactive oxygen species and leukocyte recruitment are followed by chapters on integrative aspects of inflammation, such as neutrophil extracellular traps, sepsis and granulomatous inflammation.

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<th>Mar 2018</th>
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EDUCATE, TRAIN & TRANSFORM
Toolkit on Medical and Health Professions Education
edited by Dujeepa Samarasekera & Matthew C E Gwee
(National University of Singapore, Singapore)

This handbook contextualises medical and health professions education concepts using contemporary best evidence available with the relevant theoretical underpinnings. Each section is developed by internationally renowned experts in their respective fields. All chapters are succinct and concise, providing answers to everyday issues and challenges using practical solutions. Through its unique structure, this handbook facilitates learning by raising and providing solutions to the questions "What", "Why" and "How". It emphasises lifelong learning and future directions in medical and health professions education — highlighting trends, issues, priorities and strategies (TIPS).

400pp Apr 2020
978-981-3279-26-1 US$148 £130
978-981-3279-27-8(pbk) US$68 £60

320 SINGLE BEST ANSWER QUESTIONS FOR FINAL YEAR MEDICAL STUDENTS
(2nd Edition)
by Adam Ioannou (Royal Free Hospital, UK)

This second edition of "320 Single Best Answer Questions for Final Year Medical Students" is an invaluable resource for medical students preparing for their final examinations. Additionally, the breadth of topics covered and detailed answers expands the versatility of this book to a larger audience including doctors preparing for postgraduate exams and other allied healthcare professionals who will be examined in general internal medicine. The questions are written in the format of medical final examinations. The answers provide detailed explanations as to how the correct answer is reached, followed by a clear discussion of how the incorrect answers are ruled out and supplementary information about other important aspects of each question. The answers are designed to allow the reader to further enhance their clinical knowledge, understanding and single best answer technique, thus making this book an excellent aid for exam preparation.

350pp Nov 2019
978-981-121-008-2 US$72 £65
978-981-121-077-8(pbk) US$34 £30

REVSMED
300 SBAs in Medicine and Surgery
by Lasith Ranasinghe & Oliver Clements
(Imperial College London, UK)

RevMED teaches students how to interpret clinical cases by presenting key details of the history and examination of a patient and making them choose between five plausible options. RevMED contains questions on a broad variety of topics in general medicine and surgery that range in difficulty to cover the basics, but also challenge even the most able students. The explanations include up-to-date guidelines and a thorough exploration not only of the correct answer, but a breakdown of the incorrect options as well. Therefore, each SBA is a form of case-based tutorial that can succinctly communicate a concept in general medicine or surgery.

Question books are an exceptionally useful resource for medical students preparing for their clinical exams. RevMED is designed by medical students who recently sat clinical written examinations and has been reviewed by doctors/professors thereby combining clinical accuracy with a student-friendly delivery.

288pp Mar 2019
978-1-78634-681-0 US$98 £85
978-1-78634-711-4(pbk) US$35 £30

EVIDENCE BASED MEDICINE AND EXAMINATION SKILLS
TRANSLATING THEORETORY TO PRACTICE (in 3 Parts)
Part 1: Gastroenterology
Part 2: Cardiology
Part 3: Respiratory Medicine
by Neel Sharma (University Hospitals Birmingham NHS Foundation Trust, UK & Institute of Translational Medicine, Birmingham, UK)

Based on the author’s many years of expertise as an educator globally, this book helps final-year students make the difficult transition to first-year doctors. Drawing on the latest evidence-based information, it focuses on aspects important to clinical practice in the areas of gastroenterology, cardiology and respiratory medicine such as differentials, investigations and management with full references provided throughout. Also detailed are examination skills; although not the routine form of how to examine but what to be thinking when asked to examine.

324pp Mar 2019
978-1-78326-971-6 US$98 £85

RESIDENCY INTERVIEW HANDBOOK
by Chu Qin Phua (Singapore)

With the introduction of the Residency program comes a different set of application process, selection criteria and interview format. This book provides invaluable insight into the current Residency training structure and will help equip readers with strategies to prepare their CVs, giving them an edge over others in the Residency interview. Existing information on Residency Interview or the Selection Process is scattered. There is a huge deficiency in the current market on the subject of interview preparation as well as detailed choice of specialties based on the local climate. This book provides a step-by-step, practical, easy to understand guide to help readers select their medical specialties, prepare their CVs and excel in interviews.

228pp Apr 2019
978-981-4723-41-1 US$68 £56
978-981-4723-42-8(pbk) US$34 £28

THE 21ST CENTURY GUIDE TO WRITING ARTICLES IN THE BIMEDICAL SCIENCES
by Shiri Diskin (Science Write Right, Israel)

“Diskin, a medical writing consultant, provides a concise yet thorough overview of writing for refereed biomedical journals .... The book is intended for use by students and biomedical professionals who are more familiar with research than writing. The text is well written and contains a useful index of terms in addition to the further reading list. The book makes an excellent companion to Ethics and Practice in Science Communication.”

CHOICE

The book covers the framework for constructing a scientific study into a coherent narrative that can later be easily translated into a written manuscript. The content of each article section in accordance with the IMRAD format is covered and many details for the construction of additional submission materials are provided. Characteristics of papers reporting on specific types of research are presented as well as article types other than the general full research article. The book is full of resources for additional reading and learning.

132pp Mar 2018
978-981-3221-86-3 US$58 £51
978-981-3233-75-1(pbk) US$28 £25

WORLD SCIENTIFIC
ALGORITHMS IN DIFFERENTIAL DIAGNOSIS
How to Approach Common Presenting Complaints in Adult Patients, for Medical Students and Junior Doctors
by Nigel Fong (Singapore General Hospital, Singapore)

This is a book for medical students and first-year doctors who wish to learn how to approach a patient’s symptoms, and sharpen their skills of clinical reasoning and diagnosis. Fifty-four presenting symptoms are discussed, covering approaches and conditions across various medical and surgical disciplines. Each chapter sets out the thought process behind history, examination, and investigations for a symptom, providing a systematic and practical algorithm to distinguish one differential from another. The reader will gain not only a functional approach to patients’ presenting complaints, but also learn how to better organize and apply medical knowledge in diagnostic reasoning.

500pp Dec 2018
978-981-3232-92-1 US$98 £85
978-981-120-055-7(pbk) US$48 £40

Clinical Talk
POSTGRADUATE VASCULAR SURGERY (2nd Edition)
A Candidate’s Guide to the FCRS and Board Exams
by Vish Bhattacharya (Newcastle University, UK & Queen Elizabeth Hospital, UK) & Gerard Stansby (Newcastle University, UK & Freeman Hospital, UK)

Featuring up-to-date information on current topics in vascular surgery, the second edition of Postgraduate Vascular Surgery is aimed at surgical trainees to help them prepare for the FCRS intercollegiate and Board exams. With chapters written by experts in their respective fields, the book contains concise information on surgical procedures, diagnosis and management of vascular conditions.

644pp Jun 2018
978-1-78634-493-9 US$168 £148

JOURNAL
THE JOURNAL OF HAND SURGERY (JHS)
(Asian-Pacific Volume)
An International Journal Devoted to Hand and Upper Limb Surgery and Related Research; Journal of the Asia-Pacific Federation of Societies for Surgery of the Hand
https://www.worldscientific.com/jhs

An international journal, written in English, devoted to injury and disease of the hand and upper limb and related research.

MENTAL HEALTH
THE RATIONALITY OF IRRATIONALITY
Schizophrenia, Criminal Insanity and Neurosis
by Yacov Roife (Bar-Ilan University, Israel & Academic Center of Science and Law, Israel) & Yochay Roife (Bar-Ilan University, Israel & Academic Center of Science and Law, Israel)

This book challenges the validity of all traditional theories of psychopathology, particularly with regard to schizophrenia. It demonstrates that the accepted belief that schizophrenia is a brain disease is wrong, a result of the inability of traditional theories to provide an alternative explanation for the correlation between schizophrenia and genetic/neurological impairments.

380pp Nov 2019
978-981-120-888-1 US$128 £115

MY GP, MY MENTAL HEALTH PROVIDER
A Tertiary-Primary Care Collaboration for Community Mental Healthcare
by Hong Choon Chua (Institute of Mental Health, Singapore), Luís Miguel Madeira (University of Porto, Portugal) & Daniel Fung (Institute of Mental Health, Singapore)

This book documents the journey of the Mental Health-General Practitioner (MH-GP) Partnership Programme at the Singapore Institute of Mental Health (IMH) since 2003 and how it has developed over the years as a model of successful tertiary-primary care partnership in mental health. The programme provides an Asian perspective and showcases a successful pilot of an integrated network of collaboration between tertiary and primary care practitioners for the management of patients with chronic major psychiatric disorders as well as individuals with minor psychiatric disorders.

It can serve as a reference guide for agencies, both government and private, in Singapore and regionally, who plan to develop similar partnerships. It will also interest a wide audience from medical, allied health professionals, administrators and students across healthcare and educational sector. This book may be used also as a reference text for the Graduate Diploma in Mental Health (run by IMH).

180pp Dec 2019
978-981-3273-82-5 US$75 £65

FIGHTING THE OCD MONSTER
A Cognitive Behaviour Therapy Workbook for Treatment of Obsessive Compulsive Disorder in Children and Adolescents
edited by Haanusa Prithivi Raj (Institute of Mental Health, Singapore)

This workbook incorporates the best and most effective Cognitive Behavior Therapy (CBT) techniques and tips for the treatment of Obsessive Compulsive Disorder (OCD) especially in children and young adults. Research indicates that CBT with Exposure and Response Prevention (ERP) works best in treating OCD. This workbook describes a CBT programme for children and young adolescents (of ages 7 to 18) who have OCD. It is best suited for those who have been diagnosed with OCD, and are intending to commence treatment with a CBT Therapist. While OCD can be a daunting and debilitating condition, help is available and a life without OCD is possible. This book was designed to be a one-stop book for families, patients and therapists battling OCD monsters.

100pp Jul 2018
978-981-3239-45-6 US$38 £35

World Scientific Series in Global Health Economics and Public Policy
MENTAL HEALTH IN CENTRAL AND EASTERN EUROPE
Improving Care and Reducing Stigma – Important Case for Global Study
edited by Richard M Scheffler (University of California, Berkeley, USA), Martha Shumway (University of California, San Francisco, USA) & Răzvan M Chereches (Babeș-Bolyai University, Romania)

This book provides an updated coverage on the mental health systems in Eastern and Central Europe. Based on up-to-date data, field visits and case studies, the chapters present the financing, organization and public policy issues of Eastern and Central European countries. Solutions are also proposed to tackle major mental health problems facing the region. Mental Health in Central and Eastern Europe is a valuable reference for stakeholders of the mental health communities.

288pp Oct 2019
978-981-120-563-7 US$98 £85
POCKET ANATOMY OF CEREBROVASCULAR IMAGING AND TOPOGRAPHY
by Dong-Eog Ku (Dongguk University Hospital, Korea) & Massachusetts General Hospital, USA), Oh Young Bang (Samsung Medical Center, Korea), Eung Yeop Kim (Gachon University College of Medicine, Korea), Woo-Keun Seo (Samsung Medical Center, Korea) & Jong-Won Chung (Samsung Medical Center, Korea)

The book provides updated knowledge on cerebrovascular imaging-related anatomy and topographic maps for neurologists, neurosurgeons, neuroradiologists, and neurovascular researchers as well as medical or neuroscience students. It includes not only high-resolution cerebrovascular images but also topographic brain maps.

The topographic brain maps will provide (a) "recently-updated" knowledge on cerebrovascular territories, which are of key clinical importance in patients with stroke; (b) age-specific WMH maps that allows a "tailored patient-specific" interpretation in stroke- and vascular dementia-related clinical practice; and (c) easy-to-use "reference maps" that allow prompt and reliable visual estimation of cerebral infarct volumes. This pocket book will serve as the best format for these image datasets to be looked up and referenced by the vast majority of readers. Apart from being a handy reference for neurovascular or neuroscience researchers, this book can also be used as a supplementary text book in medical schools.

160pp  Mar 2020
978-981-120-936-9  US$118  £105
978-981-121-144-7(pbk)  US$78  £70

IN VIVO MICROSCOPY
by Guillermo J Tearney (Harvard Medical School, USA) & Andrew M Quinn (University of Texas Southwestern Medical Center, USA)

This book will be the first to provide a comprehensive but concise update on the use of the new microscopic technology across the major body systems (cardiovascular, gastrointestinal, genitourinary, etc.), with a logical focus on cancer. It will describe both the science and the practical in vivo application of microscopy and the consequent closer translational collaboration between the pathologist/researcher and the physician. Contributions from expert diagnosticians will present a complete picture of the state of the art of IVM.

400pp  Apr 2020
978-981-3206-97-7  US$168  £139

BRIDGING THE GAP
Integrative Oncology and the Practice of Traditional Chinese Medicine
by Bianca Di Giulio (The Wellness Principle, USA) & James Munson (Acupuncture and Oriental Medicine of Napa, USA)

The book’s inherent value, currently, is in its uniqueness. There are few books on Integrative Oncology (IO). There are few books on the entirety of traditional Chinese medicine in the treatment of cancer. There are even fewer, if any, books that deal with the topics of Integrative Oncology and the use of traditional Chinese medicine as a whole in the treatment of people with cancer. While very broad and deep topics, this makes for a varied audience of interest that includes not just the TCM practitioner or student, but Western health practitioners and patients as well as laypeople interested in the topic of oncology.

For those interested in the topic of IO, it gives one of the few non-biased, honest and critical views of the state of IO in contrast to what is promoted by various institutions and societies.

300pp  Oct 2019
978-981-120-402-9  US$108  £95
RESVERATROL: STATE-OF-THE-ART SCIENCE AND HEALTH APPLICATIONS
Actionable Targets and Mechanisms of Resveratrol
edited by Joseph M Wu & Tze-chen Hsieh (New York Medical College, USA)
Resveratrol is a structurally simple, grape-derived polyphenol with seemingly boundless biological activities. The Editors have assembled a group of renowned scientists who have illustrious careers and lifelong passions for studies of this compound. Each chapter covers topics using published and, at times, unpublished data to provide scholarly and comprehensive reviews and perspectives. Several areas with basic clinical and public health interests are highlighted. The book is intended to serve as a text and reference covering recent research findings and clinical applications in the field. The content is presented in several parts: mechanistic leads provided by laboratory studies of resveratrol; cellular and molecular targets of resveratrol; modulation of disease states by resveratrol; virtual leads and drug discovery.
348pp  Dec 2018
978-981-3270-90-9  US$138  £120

WELL-BEING AND WELL-DYING, CANCEL THE CANCER
by Min Young Lee (FSJ Pharmaceuticals Group, Singapore)
In an attempt to help ordinary people understand cancer and its medical science, the author has written this book in an easy-to-understand style, so that patients can manage cancer more effectively in their life time.
Providing information for patients to understand the why, how, and what with each step of treatment plan, as well as a realistic range of possible outcomes, is very important. Information can help patients reduce anxiety and give patients a greater sense of ownership in their treatment process. The sense of ownership is imperative to growing a positive attitude for patients fighting cancer.
196pp  Oct 2018
978-981-3273-19-1  US$58  £50

CARCINOGENS, DNA DAMAGE AND CANCER RISK
edited by Miriam C Poirier (Bethesda, MD, USA)
As chemical exposures and cancer rates increase worldwide, there is a need for students, researchers, public health professionals, and physicians to understand the mechanisms connecting exposure with human cancer risk. This new book is an essential reference, as well as introduction to the field of chemical carcinogenesis, with particular focus on DNA damage as a critical link between exposure and disease, and emphasis on biomarkers associated with cancer risk in humans. In addition to DNA damage, related topics covered include metabolism of selected chemical carcinogens, exposure-induced epigenetic changes, cancer-associated mutations and reduction of DNA damage and cancer risk by chemoprevention. The book is designed to be a comprehensive guide to basic principles, a teaching tool for academics, and a map for the development of protective mechanisms to reduce human cancer risk.
392pp  Sep 2018
978-981-3273-19-3  US$138  £121

MODERN THORACIC ONCOLOGY
(In 3 Volumes) Volume 1: General Principles of Thoracic Oncology, Volume 2: Trachea, Lung and Pleura, Volume 3: Esophagus, Mediastinum, Chest Wall and Diaphragm
edited by Robert B Cameron (UCLA & West Los Angeles Veterans Administration Medical Center, USA), Diana Lin Gage (West Los Angeles Veterans Administration Medical Center, USA & UCLA) & Olga Olvesky (UCLA, USA)
Modern Thoracic Oncology is the first comprehensive publication on thoracic oncology. Contributors who are world experts have authored concise, relevant and current topics in this field. Whether one desires information regarding lung cancer screening, esophageal cancer staging, mutational analysis, targeted therapies, stereotactic ablative radiation with real-time imaging, minimally-invasive and robotic surgery, combination immunotherapy, microwave/cryoablation, or methods of early cancer detection, this set of three volumes, encompass all of the latest information in the field of thoracic oncology.
1036pp  Mar 2018
978-981-4725-51-4(set)  US$480  £420

TRIPLE-NEGATIVE BREAST CANCER
edited by Xiyun Deng & Junjiang Fu (Human Normal University Medical College, China)
Triple-negative breast cancer (TNBC) represents a challenge clinically due to the lack of actionable targets coupled with an aggressive disease course and a worse prognosis compared to patients with other breast cancer subtypes. This book covers aspects of TNBC ranging from epidemiology, biology, molecular classification, to currently available and potentially new therapeutics options for TNBC. This book includes a range of recommended resources, including recent reviews, schematic illustrations, and information for patients with TNBC.
200pp  May 2020
978-981-3277-75-5  US$88  £75

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200pp  May 2020
978-981-3277-75-5  US$88  £75
FUNDAMENTAL OSCE GUIDE IN OPHTHALMOLOGY
by Vai Phua, Wei Yan Ng, Li Lian Foo & Tiwn Yin Wong (Singapore National Eye Centre, Singapore)

In our world of information overload, there is an increasing struggle to keep the main thing the main thing. Fundamental OSCE Guide in Ophthalmology is a concise study guide presented in a direct, exam style question and answer format, illustrated with high quality clinically relevant photographs tailored to medical students, nurses, optometrists and residents in their early ophthalmology training.

This book provides invaluable guidance to readers in presenting their answers in a logical, succinct and elegant manner.

160pp Jul 2019
978-981-3279-93-3 US$78 £70
978-981-120-144-8 (pbk) US$38 £35

THE OPHTHALMOLOGY EXAMINATIONS REVIEW (3rd Edition)
by Tiwn Yin Wong, Wesley Guang Wei, Zhu Li Yap & Saadia Farooqui (Singapore National Eye Centre, Singapore)

A revised Edition reflecting these changes is warranted at this time. The aim and scope of the book will be consistent with the previous two editions in that it will provide a broad review for the final year ophthalmology resident and trainees taking the specialist ophthalmology examinations. The book deals primarily with key facts and topics that are important from an examination perspective. Only information and facts that are considered relevant and critical to the exams are covered, with topics that may be of scientific interest, but are not common to exams specifically left out. This book will help the resident organize and synthesize knowledge acquired from various other sources or textbooks. While not meant to replace standard textbooks, enough information is contained within the book to serve as the main revision text nearer the exams.

552pp May 2019
978-981-3220-99-7 US$128 £106
978-981-3221-00-0 (pbk) US$68 £56

NEW

CONSTABLE & LIM COLOUR ATLAS OF OPHTHALMOLOGY
(3rd Edition)
by Ian J Constable (University of Western Australia, Australia & Lion’s Eye Institute, Australia), Tien Ying Wong (Singapore National Eye Centre, Singapore) & Vignesh Raja (Sir Charles Gairdner Hospital, Australia)

In the 6th edition of this Colour Atlas of Ophthalmology, all the chapters have been comprehensively updated to incorporate the latest advances in the understanding, diagnosis, investigations and treatment of ocular diseases. This edition has new chapters on glaucoma, trauma, global blindness with major revisions of chapters particularly cornea, cataract and retina. Photographs and images have been updated to reflect the progress in imaging systems and new diagnostic modalities.

276pp Oct 2018
978-981-3236-61-5 US$68 £60
978-981-3237-29-2 (pbk) US$38 £33

SWEPT-SOURCE OPTICAL COHERENCE TOMOGRAPHY
A Colour Atlas
(2nd Edition)
by Kelvin Y C Teo, Chee Wai Wong, Andrew S H Tasai, Daniel S W Ting & Dan Milean (Singapore National Eye Centre, Singapore)
edited by Shu Yen Lee & Gemmy M Cheung (Singapore National Eye Centre, Singapore)

This book is written for retinal specialists and clinicians with a special interest in retinal diseases. It presents a collection of images and brief annotations of the microstructures of both the normal and diseased eye captured on swept source optical coherence tomography.

100pp Apr 2018
978-981-3271-77-7 US$118 £105
**Tissue Engineering for Degenerative Intervertebral Discs**
By Jun Zou (The First Affiliated Hospital of Soochow University, China)

The rise of tissue engineering technology and its applications in different fields have brought new ideas for the treatment of intervertebral disc degeneration. This book discusses the fundamentals as well as more recent developments in stem cell therapy and tissue engineering technology and offers an alternative for treating degeneration of intervertebral discs.

160pp  
978-981-3238-56-5  
Mar 2019  
US$68  
£60

By Barton Cobert (BLCMD Associates LLC, USA), William W Gregory (Pfizer Inc, USA) & Jean-Loup Thomas (Hospices Civils de Lyon, France)


This comprehensive and practical guide discusses the theory and the practicalities of drug safety (also known as pharmacovigilance), and provides essential information on drug safety and regulations in the United States, Europe Union, and more, including: recognizing, monitoring, reporting, and cataloging serious adverse drug reactions.

524pp  
978-981-3278-84-4  
Apr 2019  
US$98  
£85

**Pharmacology**

World Scientific Series: From Biomaterials Towards Medical Devices

**Ligament Reconstructions**
Edited by L’Hocine Yahia (Université de Montréal, Canada)

The ACL or anterior cruciate ligament is the most important ligament in the knee. When it is completely torn, it can lead to instability or buckling of the knee. There are several options to choose from when selecting a graft for ACL reconstruction such as using autografts including patellar tendon, hamstring tendon, and quadriceps tendon, and allografts (also known as donor tissue or cadaver tissue). Artificial ligaments are also discussed since they are still used in Europe and Asia. This book summarizes the pros and cons of each graft option in detail.

400pp  
978-981-120-462-3  
Apr 2020  
US$168  
£150
The book provides a comprehensive overview of the recent developments on “smart” targeting and drug delivery systems with a variety of carriers like nanoparticles, membranes, and hydrogels. It contains detailed descriptions on the recent trends in this field in the ongoing battle with catastrophic diseases like cancer. This field of research has been in its infancy and continues to face growth, and with it, further challenges and difficulties along the way toward maturity, which are accurately introduced in this book.

392pp  Nov 2017
978-981-3201-04-0  US$148  £130

Regenerative Medicine, Artificial Cells and Nanomedicine – Volume 5

THE LUNG

Developmental Morphogenesis, Mechanobiology, and Stem Cells by Ahmed El-Hashash (The Zhejiang University – University of Edinburgh Institute, China) & Eiman Abdel Meguid (Queen’s University, Belfast, UK)

With detailed scientific background and up-to-date research, this book examines recent developmental and cell biology, mechanobiology and stem cell biology discoveries to help provide a better understanding of lung development, repair and regeneration.

Lung regeneration is an urgent therapeutic priority. The current major challenge is the generation of complex vascularized structures that can ultimately support or replace impaired lung function. Recent discoveries in biomedical engineering are analysed within the structural context of the lung to help provide a better understanding of the innovative solutions that could be used for restoring normal morphogenesis and regeneration of the lung. This also includes insights from basic developmental mechanisms of human lung development through the derivation and identification of stem cells, both from the early embryo as well as from differentiated organs and tissues.

204pp  Jan 2019
978-981-3277-06-9  US$88  £75

INTERVENTIONAL BRONCHOSCOPY AND PLEUROSCOPY

A Book of Case Studies with Videos by Anne Ann Ling Hsu (Singapore General Hospital, Singapore) & Pyng Lee (National University Hospital, Singapore)

This is a book of case series on interventional bronchoscopy and pleuroscopy based on decades of clinical experience of the authors. The purpose of this publication is not to provide the principles, theory or evidence of clinical practice of these procedures but to illustrate actual case scenarios. Each case is presented with the history, including clinical, radiological, endoscopic findings and final outcome; and procedural details in the form of video illustration.

444pp  Nov 2017
978-981-3229-00-6  US$248  £182

CONCISE GUIDE TO MEDICINAL APPLICATION IN PEDIATRICS

Translation of Xiao Er Yao Zheng Zhi Jue by Yi Qian (Song Dynasty, China)

This is a full-text English translation of the TCM classic on pediatrics written by QIAN Yi (1032–1113 CE). It covers syndrome identification and treatment of diseases in infants and young children. The book consists of three parts: Part I is about diagnosis of children’s diseases and their recommended treatments. There are 81 articles covering a wide range of clinical patterns. Part II reports 23 case studies and provides an invaluable record of the clinical practices at that time. Part III contains over one hundred medicinal formulas for use in various treatment plans.

270pp  Dec 2019
978-981-120-765-5  US$88  £75

A HISTORICAL REVIEW OF CHINESE MEDICINE

(In 2 Volumes)

by Boying Ma (Federation of Traditional Chinese Medicine, UK)

This book set covers the last 3000 years of Chinese medicine, as a broadly flowing river, from its source to its mouth. It takes the story from the very beginnings in proto-scientific China to the modern age, with a wealth of historical and cultural detail. It is unique in presenting many anecdotes, sayings, and excerpts from the traditional classics.

The content is organized into four parts. Part one focuses on the medical activities in Chinese primitive society and the characteristic features of the witchcraft stage of medicine. Part two traces the progress of Chinese medicine as it entered the stage of natural philosophy. It also discusses how other aspects of philosophy, religion, and politics influenced Chinese medical theory and practice at the time. Chinese medicine, having a kind of social existence, was also impacted by the natural and social environment, and multiple cultural factors. Some of these factors are discussed in Part three. The last part concludes by examining the cultural process of Chinese medicine in history and offers a glimpse into the future of Chinese Medicine.

1200pp  Nov 2019
978-981-3237-96-4(set)  US$298  £262

GUA SHA

An Ancient TCM Remedy for Contemporary Illness by Kai Wen Tang

The title purports to introduce Gua Sha to the general public as an effective yet safe therapeutic protocol with a short learning curve, making it an extremely appropriate form of home-based treatment. The treatment is deliberated at three different levels of proficiency — plane, line and point, that correspond to myofascial, meridian and acupoint treatment, the last which effectively transforms Gua Sha into a non-invasive, needless form of acupuncture.

260pp  Mar 2020
978-981-120-905-5  US$86  £60

Save the environment
THE 361 CLASSICAL ACUPUNCTURE POINTS
Names, Functions, Descriptions and Locations
by Stuart Lightbody

“Stuart Lightbody’s four decades of practice in Classical Five Element Acupuncture shine through in this finely delineated study of the principal acupuncture points. Most valuable is the sweep of information about each point’s impact on the body, mind and spirit. The author draws from many acupuncture traditions to offer a full rendering of each point’s powers and uses. Beautiful and accurate diagrams of the point’s locations will be helpful to students and practitioners alike.”
— William Mueller, MAc (UK)
Director, Cambridge Health Associates, Boston, USA

This book provides detailed information on the 361 Classical Acupuncture Points in a concise and accurate format. It is an essential working textbook for all acupuncture students.

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HEALING ORCHIDS
by Hong Hai (NTU, Singapore & The Renhai Clinic, Singapore) & Shan Bin Soh
(The Renhai Clinic, Singapore)

This little highly-readable volume with beautiful illustrations helps you discover fascinating plants that are pleasing to behold yet may also help you attain good health. Read about the Dendrobium as a yin tonic that improves complexity and boosts the immune system, the enticing aroma of Vanilla found in ice cream but also reputed to heal sexual dysfunction, Bletilla that helps in cancer cure, Gastrodia for post-stroke rehabilitation, as well as other genera and species of healing orchids.

Written by two Chinese physicians with training in biomedical science, the book also offers a unique perspective of biomedical explanations for healing orchids.

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PUBLIC HEALTH AND HEALTH SERVICES RESEARCH IN TRADITIONAL, COMPLEMENTARY AND INTEGRATIVE HEALTH CARE
International Perspectives
editor-in-chief Jon Adams (University of Technology Sydney, Australia)

This book brings together leading international researchers with backgrounds and expertise across broad multi-disciplinary sub-fields including health social science, biostatistics, clinical pharmacology, implementation science, health geography and health economics. Contributors draw upon their research and experience to explain and review core research and practice issues on TCIM and its future development.

The book offers a rounded understanding of the current and future possibilities associated with the TCIM-public health and health services research interface and provides an essential overview of the broad evidence-base emerging in this area of research, policy and practice. Individual chapters employ specific case studies, featuring particular medicines/therapies, and focusing upon a number of health care settings and environments including general practice, community pharmacy, hospital specialisms as well as community-based private practice and self-care.

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NATURALLY OCCURRING SMALL MOLECULES FOR DISEASE AND CANCER TREATMENT
Therapeutic Benefits in Combination Therapy
by Wing Shing Ho (The Chinese University of Hong Kong, China)

This unique volume presents the recent developments in the field of herbal medicines for the treatment of diseases and cancer. Recent progress on small molecules isolated from herbal medicines that exhibit therapeutic benefits in humans is highlighted. The book provides an overview of the significant discoveries and pioneering contributions of herbal medicines in combination with other drugs; the author’s evaluation of the combination therapy in cancer treatment; and a recent discovery of crocodile tissue extract with pharmacological properties.

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<th>172pp</th>
<th>Apr 2019</th>
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MEDICINAL PLANTS OF INDIA
by Preeti Dhar (SUNY New Paltz, USA) & Durga Nath Dar (Indian Institute of Technology, India)

This book can be used as a general guide in the use of natural products to manage common health ailments and by potential researchers in natural products, medicinal chemistry, pharmacognosy, phytomedicine and/or phytochemistry for an overview of the biological properties of natural products. The book describes widely used medicinal plants and essential oils. It tabulates 55 biological properties of 171 medicinal plants indigenous to India with an emphasis on Indian medicinal plants that have a long tradition of medicinal use in Ayurveda. The resulting table is color coded, providing a quick overview of different medicinal plants exhibiting similar biological activities.

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<th>260pp</th>
<th>Mar 2019</th>
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THE YELLOW EMPEROR’S CLASSIC OF MEDICINE – ESSENTIAL QUESTIONS
Translation of Huangdi Neijing Suwen
edited by Jinghua Fu (China Academy of Chinese Medical Sciences, China)
translated by Mingshan Yang (Shanghai Univ. of Traditional Chinese Medicine, China)

Huangdi Neijing, also known as Yellow Emperor’s Inner Classic, has played a pivotal role in traditional Chinese medical education for about two thousand years. The first part of Neijing which is called Suwen — Basic Questions or Essential Questions — covers the theoretical foundation of Chinese medicine as well as disease diagnosis and treatment. There are 81 chapters in a question-and-answer format between the mythical Yellow Emperor and his ministers.

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<th>520pp</th>
<th>Mar 2019</th>
<th>US$148</th>
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Notable Backlist

CANCER MANAGEMENT WITH CHINESE MEDICINE
Prevention and Complementary Treatments (Revised Edition)
by Rencun Yu (Beijing Hospital of Traditional Chinese Medicine, China) & Hong Hai (NTU, Singapore)

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<th>260pp</th>
<th>Aug 2017</th>
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THE HEALING ART OF TAI CHI  
Becoming One With Nature  
by Martin J Lee (Stanford University, USA  & Tai Chi Cultural Center, Los Altos, USA),  
Emily Lee (Tai Chi Cultural Center, Los Altos, USA), Joyce Lee & Melinda Lee

Few today are as well positioned to explain the healing powers of tai chi as Dr. Martin Lee, a renowned engineering physicist and tai chi master. He and his wife, Emily, also a tai chi master, are the only Americans to have studied with Yu Pen-Shih, one of China’s foremost chi kung masters. Dr. Lee has developed a groundbreaking practical program that combines Eastern and Western approaches to wellness, which he calls “physical philosophy.” Its goal is to help people become “one with nature,” a Buddhist term for the natural restoration of true health.

The rewards of one-with-nature tai chi are inner happiness, self-control, self-realization, and self-healing. Each one of these benefits receives individual attention, complete with the 64 tai chi forms, thoroughly illustrated with photographs and diagrams. The central focus is on the flow of energy — the chi, or “inner breath” — that tai chi evokes through Lee’s four basic instructions: Relax. Breathe. Feel the earth. Do nothing extra. Here is a valuable health, exercise, and meditation program that combines ancient spiritual insights with advanced scientific knowledge and important original discoveries.

144pp  Jan 2019  
978-981-3271-88-3  US$58  £50  
978-981-3273-08-5(pbk)  US$28  £25

ESSENTIAL CHINESE MEDICINE  
(A 4-Volume Set) Volume 1: Restoring Balance,  
by Bao Chun Zhang & Yu Ting Chen  
(Beijing University of Chinese Medicine, China)

The Essential Chinese Medicine book series fulfills the mission of honoring life and promoting the health of family members and friends. This series develops and expands on the essence of TCM to advocate new concepts of health and wellness.

The editors-in-chief, Professor Zhang Bao Chun and Associate Professor Chen Yu Ting, have been involved in the teaching, research and clinical work of the TCM theoretical system for a long period of time. Both have not only mastered the ancient learning but have also blazed new trails. They have put forward assiduous efforts in the research and writing of materials, being the chief editors of several specialised academic publications and other teaching materials. This four-volume Essential Chinese Medicine series is the product of their extensive research.

976pp  Aug 2018  
978-981-3239-27-2(set)  US$358  £315

ESSENCE OF TRADITIONAL CHINESE MEDICINE  
edited by Wenjun Zhu (Singapore College of Traditional Chinese Medicine, Singapore),  
Yuan Lin & Sim Kim Cheng  
illustrated by Chunjiang Fu  
translated by Y N Han

This book illustrates, in an easy-to-understand format, its fundamental concepts and history:

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- The Four Diagnoses  
- Bodily fluids, vital energy, blood meridians and collaterals  
- Acupuncture and moxibustion, diet therapy  
- Famous Chinese physicians.

192pp  Aug 2018  
978-981-3239-18-0  US$88  £75

TRADITIONAL CHINESE MEDICINE IS AN INTANGIBLE SCIENCE  
My Medical Practice and Reflections of TCM  
by Boxin Guo  
(Boxin Chinese Medicine, China)

This is a collection of essays written by a skilled TCM practitioner with over 40 years of experience. The author shares his experiences and reflects on his medical career, illustrating in many instances with real-life case examples, in the hope that the book will inspire and benefit TCM learners. The content was previously published in Chinese by China Renmin University Press.

The book provides three main viewpoints: 1. Chinese medicine needs to be accurately positioned to guide professionals in practice; 2. The TCM essence of finding a cure with syndrome differentiation and treatment is emphasized; 3. Pulse diagnosis is essential when prescribing for a cure.

356pp  Aug 2018  
978-981-3239-29-6  US$98  £85
Evidence-based Clinical Chinese Medicine

Series Co Editors-in-Chief
Charlie Changli Xue (RMIT University, Australia), Chuanjian Lu (Guangdong Provincial Hospital of Chinese Medicine, China)

The publication of the Evidence-based Clinical Chinese Medicine (29 in total) is a major milestone in international development of Chinese medicine as a form of evidence-based healthcare. We have chosen the conditions that are commonly treated by Chinese medicine practitioners as our priorities and adopted a “Whole Evidence Assessment” approach. Evidence described in classical Chinese medicine textbooks are reviewed, many of which are inaccessible to non-Chinese speaking Chinese medicine practitioners. Contemporary clinical and experimental evidence has been evaluated rigorously, with the outcomes of clinical trials analyzed and synthesized using the internationally recognised Cochrane-GRADE approach. Updates will be conducted every five years to ensure currency of evidence.

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- Insomnia
- Post-stroke Spasticity
- Post-stroke Shoulder Dysfunction
- Psoriasis Vulgaris
- Unipolar Depression
- Vascular Dementia

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Evidence-based Clinical Chinese Medicine
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180pp Oct 2019
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Evidence-based Clinical Chinese Medicine
Volume 12: Post Stroke Shoulder Complications
250pp Sep 2019
978-981-120-759-4 US$78 £70

Evidence-based Clinical Chinese Medicine
Volume 10: Diabetic Kidney Disease
by Johannah Shergis (RMIT University, Australia), Lihong Yang (Guangdong Provincial Hospital of Chinese Medicine, China)
260pp Apr 2019
978-981-3276-10-9 US$58 £50

Evidence-based Clinical Chinese Medicine
Volume 11: Acne Vulgaris
by Meaghan Coyle (RMIT University, Australia), Haiying Liang (Guangdong Provincial Hospital of Chinese Medicine, China)
300pp Apr 2019
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Evidence-based Clinical Chinese Medicine
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130pp Oct 2019
978-981-120-597-2 US$48 £40

Evidence-based Clinical Chinese Medicine
Volume 6: Herpes Zoster and Post-herpetic Neuralgia
by Meaghan Coyle (RMIT University, Australia), Haiying Liang (Guangdong Provincial Hospital of Chinese Medicine, China)
364pp Sep 2018
978-981-3209-66-4 US$88 £75

Evidence-based Clinical Chinese Medicine
Volume 5: Allergic Rhinitis
by Claire Shuiqing Zhang (RMIT University, Australia), Qiulan Luo (Guangdong Provincial Hospital of Chinese Medicine, China)
264pp Aug 2018
978-981-3209-01-5 US$65 £55

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• Post-stroke Shoulder Dysfunction
• Insomnia
• Colorectal Cancer
• Allergic Rhinitis
• Acne Vulgaris

Conducted every five years to ensure currency of evidence.

Updates will be rigorously, with the outcomes of clinical trials analyzed and synthesized using the internationally recognized Cochrane-GRADE approach. Modern clinical and experimental evidence has been evaluated in a systematic and critical manner. Medieval and ancient Chinese literature, including classical Chinese medicine texts, are surveyed. Modern research trials on conditions commonly treated by Chinese medicine practitioners are the priorities. We have chosen the conditions that are accessible to non-Chinese speaking Chinese medicine practitioners.

Vascular Dementia

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Allergic Rhinitis

Published: Evidence-based Clinical Chinese Medicine, Volume 3

Acne Vulgaris

Published: Evidence-based Clinical Chinese Medicine, Volume 2

The publication of the Evidence-based Clinical Chinese Medicine (29 in total)

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Tang Center for Herbal Medicine Research, Chicago, IL

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• Alt HealthWatch (Ebsco)
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Feature Articles

Structural-Activity Relationship of Ginsenosides from Steamed Ginseng in the Treatment of Erectile Dysfunction
Ang Ying, Qing-Tao Yu, Li Guo, Wen-Song Zhang, Jin-Feng Liu, Yun Li, Hong Song, Ping Li, Lian-Wen Qi, Ya-Zhong Ge, E-Hu Liu and Qun Liu
Vol. 46, No. 01 (2018)
DOI: 10.1142/S0192415X18500088

Scutellaria baicalensis and Cancer Treatment: Recent Progress and Perspectives in Biomical and Clinical Studies
Chien-Shan Cheng, Jie Chen, Hor-Yue Tan, Ning Wang, Zhen Chen and Yibin Feng
Vol. 46, No. 01 (2018)
DOI: 10.1142/S0192415X18500027

Revealing the Neural Mechanisms Underlying the Beneficial Effects of Tai Chi: A Neuroimaging Perspective
Angus P. Yu, Bjorn T. Tam, Christopher W. Lai, Doris S. Yu, Jean Woo, Ka-Fai Chung, Stanley S. Hui, Justina Y. Liu, Gao X. Wei and Parco M. Siu
Vol. 46, No. 02 (2018)
DOI: 10.1142/S0192415X18500131

The Immunoregulatory Effects of Traditional Chinese Medicine on Psoriasis via its Action on Interleukin: Advances and Considerations
Minfeng Wu, Yu Deng, Su Li, Yu Chen, Dongjie Guo, Xingxiu Jin, Qi Xu, Bin Li and Fulun Li
Vol. 46, No. 04 (2018)
DOI: 10.1142/S0192415X18500386

Genome-Wide Methylation Analysis Identifies NOX4 and KDM5A as Key Regulators in Inhibiting Breast Cancer Cell Proliferation by Ginsenoside Rg3
Juyeon Ham, Seunyeon Lee, Hyunkyung Lee, Dawoon Jeong, Sungbin Park and Sun Jung Kim
Vol. 46, No. 06 (2018)
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• Multidisciplinary study of medical practice and health care, especially from historical, cultural, public health, and socioeconomic perspectives;
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ANECDOTES OF TRADITIONAL CHINESE MEDICINE
by Lifang Qu (Shanghai University of Traditional Chinese Medicine, China)
edited by Mary Garvey (University of Technology Sydney, Australia)

This bilingual book contains a selection of Chinese medicine anecdotes drawn from China’s enormous textual archive. The sections form collections of alternative names for:

- Chinese medicine
- Biographies of sages
- Anecdotes about famous doctors and medical figures
- Stories about Chinese materia medica
- Anecdotes about formulas, clinical cases, acupuncture stories
- Explanation of acupuncture names.

304pp
978-1-938134-99-9 US$78 £69
978-1-945552-02-1(pbk) US$38 £33

TU YOYOU’S JOURNEY IN THE SEARCH FOR ARTEMISININ
by Wenhui Zhang (Chemical Industry Press, China), Yiran Shao (Chemical Industry Press, China), Dan Li (Beijing Television Station, China) & Manyuan Wang (Capital Medical University, China)
translated by Junxian Yu (Capital Medical University, China)

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by Elizabeth Fisher (University College London, UK) & Richard C Thompson (Imperial College London, UK)

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A Critical View
by Matthias Beck (Queen’s University, UK)

Notions of risk identification, assessment and mitigation have guided political and institutional actions even before these concepts became an explicit part of the language of public administration and policy making. Past analyses investigating the link between risk perceptions and public health are relatively rare, and where researchers have investigated this nexus, it has typically been assumed that the collective identification of health risks has led to progressive improvements in public health activities.

206pp
978-981-4689-56-2 US$33 £33

GLOBAL HEALTH ECONOMICS
Shaping Health Policy in Low- and Middle-Income Countries
edited by Paul Revill (University of York, UK), Marc Suhrcke (University of York, UK & Luxembourg Institute of Socio-Economic Research, Luxembourg), Rodrigo Moreno-Serra (University of York, UK) & Mark Sculpher (University of York, UK)

This book contains a collection of works showcasing the latest research into global health economics conducted by leading experts in the field from the Centre for Health Economics (CHE) at the University of York and other research institutions (e.g., University of Leeds). Each chapter focuses upon an important topic in global health economics and a number of separate research projects. The discussion delves into health care policy evaluation; economic evaluation and the application of analysis methods; health equity and universal health coverage; consideration of cost-effectiveness thresholds and opportunity costs in the health sector; health system challenges and possible solutions; economics of health workforce planning; and others. Case study examples from a variety of low- and middle-income countries (LMIC) settings are also showcased in the final part of this volume.

300pp
978-981-3237-36-1 US$118 £105

NOBEL PRIZES
Cancer, Vision and the Genetic Code
by Erling Nørrby (The Royal Swedish Academy of Sciences, Sweden)

The present book discusses the prizes in physiology or medicine 1966-68. The 1966 prize recognized that viruses may be involved in cancer formation. Later studies revealed that these kinds of infectious agents could pick up and transmit cellular genes of importance for regulation of cellular growth. It was then possible to recognize that many genes of this kind could be involved in the formation of cancer. The disease was found to represent the dark side of evolution. As a consequence of this insight new means of treatment fortunately have been developed.

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This volume reviews the economic underpinnings (investment and financing) and institutional reforms needed to successfully scale up the education of health workers. In this regard, the book examines five major economic and institutional challenges that policy makers face: (1) governance of health education organizations and systems; (2) approaches to financing the education of health workers; (3) the special nature of capital investment in expanding the capacity of health education institutions; (4) public-private partnerships in health education; and (5) equity in accessing health education, with a special focus on issues that arise from private approaches to the education of health workers.

600pp Aug 2019
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edited by Daniel Scherman (National Scientific Research Center (CNRS), France)

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636pp Jul 2019
978-1-78634-687-2 US$188 £165
978-1-78634-705-3(pbk) US$88 £75

NOBEL AND LASKER LAUREATES OF CHINESE DESCENT

In Literature and Science

edited by Todd S Ing (Loyola University Chicago, USA), Keith K Lau (University of Hong Kong Shenzhen Hospital, China), Joseph M Chan (Memorial Sloan Kettering Cancer Center, USA), Hon-Lok Tang (Princess Margaret Hospital, Hong Kong), Angela T Hadsell (Artificial Organs Journal, USA) & Laurence K Chan (University of Colorado, USA)

This book celebrates notable luminary scholars of Chinese descent, with a special focus on 1 Wolf Prize, 4 Lasker, and 11 Nobel laureates spanning a wide range of disciplines in both literature and science.

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DENTAL BIOMATERIALS

edited by Edward Sacher (École Polytechnique de Montréal, Canada) & Rodrigo França (University of Manitoba, Canada)

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492pp Dec 2018
978-981-3225-67-1 US$158 £140

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Cross Diffusion PDE Models for Epidemiology

by William E Schiesser (Lehigh University, USA)

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460pp Jun 2018
978-981-3238-78-7 US$98 £86

VASCULAR MEDICINE

THE ANGIOLOGY BIBLE

by Giovanni Vincent Belcaro (Irvine³ Vascular Lab, Ch-Pe University, Italy)

This book is a 360° view of vascular pathologies and an introduction to the complexity of the most important field in medicine, with topics including cardiovascular disease, atherosclerosis, venous diseases, investigations, population sciences, prevention and the indication of a specialization field.

It offers a broad introduction to angiology and vascular diseases, surgery and medicine, in an easy-to-read format with case studies separated under key areas. The scope includes many different aspects at an introductory level under a single observational point, bringing unity and homogeneity in the otherwise disjointed field of circulation sciences.

236pp Oct 2018
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