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## **Descriptions of Medical Fungi** - Sarah Kidd 2016-04-20

Descriptions of Medical Fungi. Third Edition. Sarah Kidd, Catriona Halliday, Helen Alexiou and David Ellis. 2016. This updated third edition which includes new and revised descriptions. We have endeavoured to reconcile current morphological descriptions with more recent genetic data. More than 165 fungus species are described, including members of the Zygomycota, Hyphomycetes, Dimorphic Pathogens, Yeasts and Dermatophytes. 340 colour photographs. Antifungal Susceptibility Profiles. Microscopy Stains & Techniques. Specialised Culture Media. References. 250 pages.

## **The Activator Method - E-Book** - Arlan W. Fuhr 2008-01-24

From basic scan protocols to advanced assessment procedures, THE ACTIVATOR METHOD, 2nd Edition discusses the Activator Method Chiropractic Technique (AMCT) in an easy-to-understand, how-to approach. This updated 2nd edition covers all aspects of the controlled low-force analytical and adjusting system, from the history of the technique to in-depth examinations of body structures. It also features expanded content on supportive subjects from seven new contributors, discussing topics such as activator and instrument adjusting history, instrument reliability in the literature, the neurology of pain and inflammation, temporal mandibular disorders, and leg length reactivity. UNIQUE! As the only Activator Method textbook in the field, it is known as the standard reference in Activator. Expert author, Dr. Arlan Fuhr, is a co-founder of the AMCT, bringing his unparalleled expertise to the subject. Brand new full-color photos detail assessment procedures, specific anatomical contact points, and lines of drive to clearly show procedures for easier learning. Clinical Observations boxes share the author's knowledge from years of experience and provide tips on analysis of certain conditions and suggestions for atypical cases. Summary tables in each clinical chapter allow you to quickly access pertinent information. Step-by-step instruction throughout the Instrumentation section helps you understand the principles of the technique. Appendix: Activator Quick Notes for Basic and Advanced Protocol provides at-a-glance reviews of important points and things to remember when performing basic and advanced protocols. A new chapter on leg length analysis procedures offers comprehensive coverage of this critical step in using the Activator Method. Seven new contributors bring fresh insight to AMCT.

## **Word Up** - Mark McCrindle 2011

Everyone says the English language is changing in this global digital age. Everyone says the generations don't understand each other. Word Up is the complete up-to-date Australian guide to where our language is headed. Fascinating, colourful, easy to use and full of surprises. Includes a youth lexicon.

## **Clinical Neurology** Graeme Hankey 2008-02-01

Neurology is an exciting and evolving clinical science. The fact that many previously untreatable diseases are now known to be not only treatable, but preventable, has raised new optimism for the probability that treatments will emerge for other currently incurable neurologic disorders. This book is written and illustrated for students of clinical

## **Curating Research Data** - Lisa R. Johnston 2016-11-01

Data are becoming the proverbial coin of the digital realm: a research commodity that might purchase reputation credit in a disciplinary culture of data sharing, or buy transparency when faced with funding agency mandates or publisher scrutiny. Unlike most monetary systems, however, digital data can flow in all too great an abundance. Not only does this currency actually grow on trees, but it comes from animals, books, thoughts, and each of us! And that is what makes data curation so essential. The abundance of digital research data challenges library and information science professionals to harness this flow of information streaming from research discovery and scholarly pursuit and preserve the unique evidence for future use. Volume One of Curating Research Data explores the variety of reasons, motivations, and drivers for why data curation services are needed in the context of academic and

disciplinary data repository efforts. Twelve chapters, divided into three parts, take an in-depth look at the complex practice of data curation as it emerges around us. Part I sets the stage for data curation by describing current policies, data sharing cultures, and collaborative efforts currently underway that impact potential services. Part II brings several key issues, such as cost recovery and marketing strategy, into focus for practitioners when considering how to put data curation services in action. Finally, Part III describes the full lifecycle of data by examining the ethical and practical reuse issues that data curation practitioners must consider as we strive to prepare data for the future. Digital data is ubiquitous and rapidly reshaping how scholarship progresses now and into the future. The information expertise of librarians can help ensure the resiliency of digital data, and the information it represents, by addressing how the meaning, integrity, and provenance of digital data generated by researchers today will be captured and conveyed to future researchers.

## **Guardians of Public Value** - Arjen Boin 2020

This open access book presents case studies of twelve organisations which the public have come to view as institutions. From the BBC to Doctors Without Borders, from the Amsterdam Concertgebouw Orchestra to CERN, this volume examines how some organisations rise to prominence and remain in high public esteem through changing and challenging times. It builds upon the scholarly tradition of institutional scholarship pioneered by Philip Selznick, and highlights common themes in the stories of these highly diverse organizations; demonstrating how leadership, learning, and luck all play a role in becoming and remaining an institution. This case study format makes this volume ideal for classroom use and practitioners alike. In an era where public institutions are increasingly under threat, this volume offers concrete lessons for contemporary organisation leaders. Arjen Boin is Professor of Public Institutions and Governance at the Department of Political Science, Leiden University, Netherlands. Paul 't Hart is Professor of Public Administration at the Utrecht School of Governance, Utrecht University, Netherlands. Lauren A. Fahy is a PhD Fellow at the Utrecht School of Governance, Utrecht University, Netherlands.

## **Drought Stress in Maize (Zea mays L.)** - Muhammad Aslam 2015-11-20

This book focuses on early germination, one of maize germplasm most important strategies for adapting to drought-induced stress. Some genotypes have the ability to adapt by either reducing water losses or by increasing water uptake. Drought tolerance is also an adaptive strategy that enables crop plants to maintain their normal physiological processes and deliver higher economical yield despite drought stress. Several processes are involved in conferring drought tolerance in maize: the accumulation of osmolytes or antioxidants, plant growth regulators, stress proteins and water channel proteins, transcription factors and signal transduction pathways. Drought is one of the most detrimental forms of abiotic stress around the world and seriously limits the productivity of agricultural crops. Maize, one of the leading cereal crops in the world, is sensitive to drought stress. Maize harvests are affected by drought stress at different growth stages in different regions. Numerous events in the life of maize crops can be affected by drought stress: germination potential, seedling growth, seedling stand establishment, overall growth and development, pollen and silk development, anthesis silking interval, pollination, and embryo, endosperm and kernel development. Though every maize genotype has the ability to avoid or withstand drought stress, there is a concrete need to improve the level of adaptability to drought stress to address the global issue of food security. The most common biological strategies for improving drought stress resistance include screening available maize germplasm for drought tolerance, conventional breeding strategies, and marker-assisted and genomic-assisted breeding and development of transgenic maize. As a comprehensive understanding of the effects of drought stress, adaptive strategies and potential breeding tools is the

prerequisite for any sound breeding plan, this brief addresses these aspects.

**Fish Nutrition** - John Halver 2013-06-25

Fish Nutrition aims to present the state of knowledge of basic and applied nutritional requirements of fishes. Most of the information found in this book involves salmonids, their nutrition, and metabolism of nutrients. This is in view of the fact that more research has been done and completed with this fish. Although applied fish nutrition is a very broad field, this book focuses on some of its aspects. These include the classes of nutrients and requirements for several types of fishes. This book comprises of 11 chapters. The first few chapters deal with the general nutrient requirements of fishes. Then, other chapters discuss calorie and energy as well as micro- and macronutrient needs and requirements. The following chapters deal with the non-nutrient components of the diet, or those that influence the characteristics of food products including texture, odor, flavor, and color. Other topics covered are enzymes and systems of intermediary metabolism (Chapter 6); feed formulation and evaluation (Chapter 7); and salmonid husbandry techniques (Chapter 9). Nutritional fish diseases are also discussed in this book. Some of these diseases include thyroid tumor, gill disease, anemia, lipid liver degeneration, and visceral granuloma. In Chapter 11, the relationship of nutrition and pathology is given emphasis. This chapter also tackles the diet and general fish husbandry. This topic is very important, because an adequate diet for fish husbandry is the foundation of fish farming.

**Clinical Case Studies in Physiotherapy E-Book** - Lauren Jean Guthrie 2008-10-09

Starting a placement or rotation in an unfamiliar clinical area is exciting but can be daunting. CLINICAL CASE STUDIES IN PHYSIOTHERAPY provides invaluable advice and practical guidance on cases and problems encountered on a daily basis allowing you to work with ease and confidence. By adopting a problem solving approach to the cases through the use of questions and answers, the authors will help you to think constructively about each case within all the key specialities of physiotherapy. Starting a placement or rotation in an unfamiliar clinical area is exciting but can be daunting. CLINICAL CASE STUDIES IN PHYSIOTHERAPY provides invaluable advice and practical guidance on cases and problems encountered on a daily basis allowing you to work with ease and confidence. By adopting a problem solving approach to the cases through the use of questions and answers, the authors will help you to think constructively about each case within all the key specialities of physiotherapy. Hints and tips to get you ready for clinical placement How to secure your first physiotherapy post Case studies in the following clinical areas: respiratory, orthopaedics, neurology, musculoskeletal out-patients, care of the elderly, mental health and womens health Cases covering paediatrics also included

**Fascinating Facts about Phytonutrients in Spices and Healthy Food** -

Louis S. Premkumar, PhD 2014-03-25

For centuries, there have been claims that healthy food garnished with exotic spices and condiments provides vital nutrients that help ward off diseases, especially preventable diseases such as diabetes and heart disease (hypertension, coronary artery disease) and promote longevity. The purpose of writing this book is to update the public about the health benefits of ingredients (phytochemicals) in spices and healthy food using existing scientific evidence. The ultimate proof of health benefits will be deciphered by the isolation and identification of specific phytochemicals acting on specific receptors in the body exerting their biological effects. The important point being emphasized is that if the physiological effect of an ingredient is glaring, it is considered to elicit a significant response. However, when the effect of an ingredient is significant, yet the effect is not readily perceivable then the usefulness goes unnoticed and can be questioned as a myth. For example, coffee has several ingredients, but only caffeine acting on the adenosine receptors stimulates the central nervous system and promotes wakefulness. Similarly, the specific active ingredient in hot chili pepper, capsaicin, activates a member of a recently identified family of receptors called transient receptor potential (TRP) channels. TRP vanilloid 1 (TRPV1), which is involved in certain modalities of pain, promotes the release of hormones in the gastrointestinal (GI) tract. Although, the bioavailability of the active ingredients is low, it is important to realize that these ingredients can cause significant local effects in the GI tract by preventing cholesterol regeneration by subduing microbiota, inhibiting precancerous growth by promoting calcium influx and stimulating nerve endings to transmit information and to release of gut hormones that are involved in regulating a variety of functions including appetite and

satiety.

**Cardiopulmonary Physiotherapy in Trauma** - Heleen van Aswegen 2015-06-24

Trauma is a serious public health problem worldwide and is the leading cause of death among adults and children. Physiotherapists play a key role in the interdisciplinary team caring for patients with physical injury after a traumatic event. Cardiopulmonary Physiotherapy in Trauma offers valuable insight into the advanced trauma life support and acute care management of patients with trauma-related injuries, as well as physiotherapy treatment aims, intervention strategies and precautions to treatment. A variety of topics related to trauma are brought together in this practical volume, which shares information obtained from published research as well as the extensive clinical expertise of the authors. The dissemination of the authors' personal experience is key in cases where evidence to support the use of certain treatment techniques in patients with traumatic injury is still lacking. The book is thus an essential reference that encourages evidence-based practice for advanced undergraduate students, as well as graduate physiotherapists who work with trauma patients in the acute care setting. Contents: Physiological Response to Trauma (H van Aswegen)Not Just 'Small Adults': Paediatric Anatomy and Physiology in Relation to Trauma (B M Morrow)Trauma and Immunosuppressive Diseases (H van Aswegen and B M Morrow)Physiotherapy Modalities, Markers and Outcome Measures (B M Morrow and H van Aswegen)Blunt and Penetrating Injuries (H van Aswegen, B M Morrow and E van Aswegen)Burn Injuries (S Hanekom, M Wilson, B M Morrow and H van Aswegen)Multiple Orthopaedic Injuries (N Plani, H van Aswegen and B M Morrow)Spinal Cord Injury (W Mudzi, H van Aswegen and B M Morrow)Traumatic Brain Injury (R Roos, B M Morrow and H van Aswegen)Quality of Life of Survivors of Trauma (H van Aswegen) Readership: Physiotherapists who work in the acute care setting and manage adult and paediatric patients with traumatic injuries; Physiotherapy students studying towards Master of Science qualification (the topic is covered in the final two years of u/g cardiopulmonary physiotherapy courses); Researchers with an interest in rehabilitation of patients with traumatic injury in the acute care setting or after discharge from acute care setting. Undergraduate physiotherapy students for subjects related to cardiopulmonary physiotherapy treatment techniques, physiotherapy in critical care, traumatology and orthopaedics, graduate nurses, doctors and allied health practitioners may gain a better understanding of the role of a physiotherapist, as a member of the interdisciplinary team in the acute care setting, in the management of patients with traumatic injuries. Key Features:Written by expert physiotherapists for physiotherapistsProvides more detailed information on the advanced trauma life support, surgical and intensive care unit management of patients with various types of traumatic injury compared with information found in other cardiopulmonary physiotherapy textbooksProvides evidence-based information on the physiotherapy management of both adult and paediatric patients with traumatic injury in the acute care settingExtensive pedagogical features make this text easily digestible and accessible for undergraduates and new practitioners on the go i.e., 'key message' boxes and clinical case scenariosExercise therapy strategies for the rehabilitation of patients with traumatic injury in the acute care setting and after hospital discharge are also providedThe only truly comprehensive & pedagogical textbook on the topicInternational market — should be the book recommended in the UK and abroad (editors are based in South Africa)Keywords:Trauma;Cardiopulmonary;Physiotherapy;Injury;Rehabilitation

**Users' Guides to the Medical Literature** Gordon Guyatt 2008-03-01

The #1 guide to the principles and clinical applications of evidence-based medicine has just gotten better! A Doody's Core Title ESSENTIAL PURCHASE for 2011! No other resource helps you to put key evidence-based medicine protocols into daily clinical practice better than Users' Guides to the Medical Literature. An instant classic in its first edition, this detailed, yet highly readable reference demystifies the statistical, analytical, and clinical principles of evidence-based medicine, giving you a hands-on, practical resource that no other text can match. Here, you'll learn how to distinguish solid medical evidence from poor medical evidence, devise the best search strategies for each clinical question, critically appraise the medical literature, and optimally tailor evidence-based medicine for each patient. The new second edition of this landmark resource is now completely revised and refreshed throughout, with expanded coverage of both basic and advanced issues in using evidence-based medicine in clinical practice. FEATURES: Completely revised and updated to reflect the enormous expansion in medical

research and evidence-based resources since the first edition Innovative organization guides you from the fundamentals of using the medical literature to the more advanced strategies and skills for use in every day patient care situations Abundant and current real-world examples drawn from the medical literature are woven throughout, and include important related principles and pitfalls in using medical literature in patient care decisions Practical focus on the key issues in evidence-based practice: What are the results? Are the results valid? How to I apply to results to the care of my patients? More than 60 internationally recognized editors and contributors from the U.S., Canada, South America, Europe, and Asia -- the best of the best in the discipline NEW coverage on how to: -- Avoid being misled by biased presentations of research findings -- Interpret the significance of clinical trials that are discontinued early -- Influence clinician behavior to improve patient care --Apply key strategies for teaching evidence-based medicine Also look for JMAEvidence.com, a new interactive database for the best practice of evidence based medicine.

**Air Pollution** - Bhola R. Gurjar 2010-06-22

Air pollution is recognized as one of the leading contributors to the global environmental burden of disease, even in countries with relatively low concentrations of air pollution. Air Pollution: Health and Environmental Impacts examines the effect of this complex problem on human health and the environment in different settings around the world. I

Green Technological Innovation for Sustainable Smart Societies -

Chinmay Chakraborty 2021-10-15

This book discusses the innovative and efficient technological solutions for sustainable smart societies in terms of alteration in industrial pollution levels, the effect of reduced carbon emissions, green power management, ecology, and biodiversity, the impact of minimal noise levels and air quality influences on human health. The book is focused on the smart society development using innovative low-cost advanced technology in different areas where the growth in employment and income are driven by public and private investment into such economic activities, infrastructure and assets that allow reduced carbon emissions and pollution, enhanced energy, and resource efficiency and prevention of the loss of biodiversity and ecosystem services. The book also covers the paradigm shift in the sustainable development for the green environment in the post-pandemic era. It emphasizes and facilitates a greater understanding of existing available research i.e., theoretical, methodological, well-established and validated empirical work, associated with the environmental and climate change aspects.

*Competing for Advantage* Robert E. Hoskisson 2012-07-26

Discover what it takes to create a sustainable competitive advantage in management and business today with this straightforward, powerful strategic management resource. *COMPETING FOR ADVANTAGE, 3E* focuses specifically on the issues most important to today's current or future practitioner. The book details the processes and tools you need to better understand and effectively contribute to your organization's strategic management process. Applied examples illustrate the latest thinking, practices, and research in strategic management today with in-depth discussions that examine critical topics such as innovation, professional service and crisis management. Access to relevant cases, a focus on the emerging issues such as ethics, and an emphasis on technology throughout prepare you for success in the fast-paced, ever-changing global economy in which today's firms compete. Take your students to a new level of understanding strategic management concepts and practices with *COMPETING FOR ADVANTAGE, 3E*. Straightforward, focused, and concise, this edition presents the latest strategic management research and practices, now with more in-depth discussions of the most current strategic topics in business today. Detailed real-life examples and instant access to relevant cases keep the book focused on issues most important to current or future practitioners. Crafted to meet the special needs to MBA and executive MBA students, the book details the processes and tools used in strategic analysis to create a sustainable competitive advantage. Full chapters on strategic leadership, corporate governance, and a new chapter on real options examine issues most critical in today's business environment. Comprehensive new instructor support with electric solutions help you effectively prepare a powerful course that addressed traditional and relevant emerging topics that are shaping strategic management today. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Respiratory Physiotherapy - Jane Cross 2008-11-25

The second edition of *RESPIRATORY PHYSIOTHERAPY* (formerly

*EMERGENCY PHYSIOTHERAPY*) continues to be a highly accessible and convenient guide which brings the insight of clinical experts in the field to the fingertips of the busy physiotherapist who are often exposed to challenging and stressful situations. Beverley Harden is now joined by a team of 5 additional Editors and the new edition has been completely revamped. It looks at assessment, management of and calls to specific areas while presenting key information in tables, bullets and summaries for quick reference on the ward. Case studies that cover common emergency situations Self-assessment questions which offer the reader verification of their comprehension and clinical reasoning skills A-Z of treatment techniques Appendices including normal values and common drugs used in critical care areas so that essential information is always at hand

**The Royal Marsden Manual of Clinical Nursing Procedures** - Lisa Dougherty 2015-03-17

The Royal Marsden Manual of Clinical Nursing Procedures has been the number one choice for nurses since it first published, over 30 years ago. One of the world's most popular books on clinical skills and procedures, it provides detailed procedure guidelines based on the latest research findings and expert clinical advice, enabling nurses and students to deliver clinically effective patient-focused care. The ninth edition of this essential, definitive guide, written especially for pre-registration nursing students, now includes a range of new learning features throughout each chapter that have been designed to support student nurses to support learning in clinical practice. Providing essential information on over 200 procedures, this manual contains all the skills and changes in practice that reflect modern acute nursing care.

Advanced Techniques in Musculoskeletal Medicine & Physiotherapy -

Fermín Valera Garrido, PT MSc PhD 2015-10-02

*Advanced Techniques in Musculoskeletal Medicine & Physiotherapy* is a brand new, highly illustrated guide to the diagnosis and treatment of musculoskeletal disorders. It demonstrates how to safely and effectively use selected minimally invasive therapies in practice. In addition to more well-established techniques such as acupuncture or dry needling, this ground-breaking resource also covers techniques including intratissue percutaneous electrolysis, mesotherapy, percutaneous needle tenotomy, and high volume image guided injections. Other featured chapters include those on specific musculoskeletal ultrasound such as sonoanatomy and ultrasound-guided procedures. Each chapter describes the principles, indications and contraindications, mechanisms of action and detailed outlines of techniques with an emphasis throughout on accessible practical information. Additionally, methodologies, research results and summaries of studies for particular minimally invasive therapies are presented. The book is also supported by a companion website - [www.advancedtechniquesonline.com](http://www.advancedtechniquesonline.com) - containing procedural video clips, a full colour image library and interactive multiple choice questions (MCQs). skills-based and clinically-oriented - reinforced by the latest contemporary scientific medical research chapters on outcomes in clinical practice indications and contraindications discussed clinical cases, key terms and key points boxes used throughout companion website - [www.advancedtechniquesonline.com](http://www.advancedtechniquesonline.com) - containing procedural video clips, full colour image bank and interactive MCQs

*General Concepts in Integrated Pest and Disease Management*

Ciancio 2007-07-20

This, the first volume of the 'Integrated Management of Plant Pests and Diseases' book series, presents general concepts on integrated pest and disease management. Section one includes chapters on infection models, resurgence and replacement, plant disease epidemiology and effects of climate change in tropical environments. The second section includes remote sensing and information technology. Finally, the third section covers molecular aspects of the subject.

*Out-of-School Youth in Sub-Saharan Africa* Keiko Inoue 2015-03-17

The economic and social prospects are daunting for the 89 million out-of-school youth who comprise nearly half of all youth in Sub-Saharan Africa. Within the next decade, when this cohort becomes the core of the labor market, an estimated 40 million more youth will drop out, and will face an uncertain future with limited work and life skills. Furthermore, out-of-school youth often are "policy orphans," positioned between sectors with little data, low implementation capacity, lack of interest in long-term sustainability of programs, insufficient funds, and little coordination across the different government agencies. This report provides a diagnostic analysis of the state of out-of-school youth in Sub-Saharan Africa, focusing on the 12- to 24-year-old cohort. This report also examines the decision path youth take as they progress through the education system and the factors that explain youth's school and work

choices. It finds that individual and household characteristics, social norms, and characteristics of the school system all matter in understanding why youth drop out and remain out of school. In particular, six key factors characterize out-of-school youth: (i) most out-of-school youth drop out before secondary school; (ii) early marriage for female youth and (iii) rural residence increase the likelihood of being out of school; (iv) parental education level and (v) the number of working adults are important household factors; and (vi) lack of school access and low educational quality are binding supply-side constraints. Policy discussions on out-of-school youth are framed by these six key factors along with three entry points for intervention: retention, remediation, and integration. This report also reviews policies and programs in place for out-of-school youth across the continent. Ultimately, this report aims to inform public discussion, policy formulation, and development practitioners' actions working with youth in Sub-Saharan Africa.

**Physiotherapy for Respiratory and Cardiac Problems** - Jennifer A. Pryor 2008-03-06

Now in its fourth edition, *Physiotherapy for Respiratory and Cardiac Problems* continues to be an essential textbook and reference source for undergraduate and postgraduate students, and for the clinician working with patients with cardiac and respiratory problems. Its strengths lie in integrating the evidence with clinical practice and in covering the whole patient lifespan - infants, children, adolescents and adults. New chapters on: critical care, surgery, and psychological aspects of care expanded evidence for clinical practice case studies multi-contributed chapters written by internationally recognised experts extensively revised text with new illustrations and photographs comprehensive reference lists which directs the reader to further sources of information Part of the *Physiotherapy Essentials* series - core textbooks for both students and lecturers Online image bank now available! Log on to

<http://evolve.elsevier.com/Pryor/physiotherapy> and type in your unique pincode for access to over 300 downloadable images

**Monitoring the Critically Ill Patient** - Philip Jevon 2012-03-20

*Monitoring the Critically Ill Patient* is an invaluable, accessible guide to caring for critically ill patients on the general ward. Now fully updated and improved throughout, this well-established and handy reference guide text assumes no prior knowledge and equips students and newly-qualified staff with the clinical skills and knowledge they need to confidently monitor patients at risk, identify key priorities, and provide prompt and effective care. This new edition includes the following five new chapters: Monitoring the critically ill child Monitoring the critically ill pregnant patient Monitoring the patient with infection and related systemic inflammatory response Monitoring a patient receiving a blood transfusion Monitoring pain

**Pulmonary Management in Physical Therapy** - Cynthia Coffin Zadai 1992

Reviews scientific principles and clinical research as they apply to pulmonary impairments and the appropriate physiotherapeutic treatment for correction or alleviation of the resultant disabilities. Integrates pulmonary knowledge into the generalist's practice and provides the specialist with an updated research reference Discusses patient evaluation, corrective techniques, and provides a critical tie-in chapter of the all the information presented to elucidate the concepts of clinical decision-making

**Cough** - Kian Fan Chung 2008-04-15

Cough is the most familiar symptom of respiratory disease, and a problem which general practitioners must deal with on a daily basis. This timely volume draws together a wealth of recent research into the mechanisms, pharmacology and therapies for cough, and places these in clinical context. The text incorporates guidelines on the most common causes of cough, discusses treatments and pitfalls in management, summarizes current research on physiology, pharmacology and treatment of cough, and gives practical advice on diagnosis and management issues for the clinician. *Cough: Causes, Mechanisms and Therapy* is the most comprehensive, up-to-date account of the subject. It will update clinical and basic medical scientists, and promote future research. Readers are encouraged to implement the clinical implications of the discussion into routine practice. This volume will appeal to all those involved in the treatment of respiratory disease, particularly those in hospital respiratory units, and will also be of use to interested general practitioners.

**Prevention and Treatment of Atherosclerosis** - Arnold von Eckardstein 2022

This open access book is supported by the European Atherosclerosis Society Association (EAS). This follow-up edition of the well-received

Handbook volume 'Atherosclerosis: Diet and Drugs' reflects the state-of-the-art and most recent developments in atherosclerosis research. Outstanding international experts give a comprehensive overview of the field covering topics, such as improving the treatment focusing on established targets, novel drug developments addressing pre-defined targets, hypothesis-based and hypothesis-free approaches to unravel novel targets. .

**Sepsis Management in Resource-limited Settings** - Arjen M. Dondorp 2019-02-08

This book is open access under a CC BY 4.0 license. It constitutes a unique source of knowledge and guidance for all healthcare workers who care for patients with sepsis and septic shock in resource-limited settings. More than eighty percent of the worldwide deaths related to sepsis occur in resource-limited settings in low and middle-income countries. Current international sepsis guidelines cannot be implemented without adaptations towards these settings, mainly because of the difference in local resources and a different spectrum of infectious diseases causing sepsis. This prompted members of the Global Intensive Care working group of the European Society of Intensive Care Medicine (ESICM) and the Mahidol-Oxford Tropical Medicine Research Unit (MORU, Bangkok, Thailand) - among which the Editors - to develop with an international group of experts a comprehensive set of recommendations for the management of sepsis in resource-limited settings. Recommendations are based on both current scientific evidence and clinical experience of clinicians working in resource-limited settings. The book includes an overview chapter outlining the current challenges and future directions of sepsis management as well as general recommendations on the structure and organization of intensive care services in resource-limited settings. Specific recommendations on the recognition and management of patients with sepsis and septic shock in these settings are grouped into seven chapters. The book provides evidence-based practical guidance for doctors in low and middle income countries treating patients with sepsis, and highlights areas for further research and discussion.

**Autogenic Drainage** - Chevaillier, Jean 2016-11-30

This work does not provide "recipes" or standardized solutions for the treatment of patients affected by hypersecretion. The reader will find the book necessary ingredients to adapt to drain bronchial disease and the patient's condition, their needs and possibilities. Find relevant information on anatomy, physiology and pulmonary ventilatory mechanics in order to facilitate understanding of the mechanisms involved in bronchial drainage techniques. It also delves into measurements of lung function and its implications. Explains the problems with obstruction and pulmonary physiotherapy assessment, as well as the bases of the bronchial drainage techniques. Not to mention the care of the upper airways. Acquire special mention specific principles of autogenic drainage, showing through performance curves partial expiratory flow-volume, the ability to modulate the flow and volume in the bronchial tree and selectively localize functional bronchial generations drain. Series of tips to standardize ventilation during inspiratory phase as well as the importance of correcting the shape of the rib cage. Explains the use of autogenic drainage in patients collaborators and collaborators, with a section dedicated to autogenic drainage in infants. The last chapters are devoted to explaining the specific physiology of cough with practical implications, special attention is given to inhalation therapy and finally being mentioned techniques as accessory respiratory reeducation and functional analysis, the importance of exercise and positioning, flexible gymnastics, relaxation, the use of oxygen and the rehabilitation effort through sport.

**Orthopaedic Trauma in the Austere Environment** - Juan de Dios Robinson 2016-05-19

Orthopaedic trauma represents 75% of the casualties in a disaster. Many of these patients will be cared for by international volunteers, but good intentions are not always matched by good preparation. This book explains how best to prepare for missions, how to deal with injuries in austere conditions, how to ensure a positive legacy, and the need for cultural, political, and legal awareness. All of the most common orthopaedic presentations encountered in the austere environment are covered. In addition to evidence-based research, cases and actual experiences from the authors' missions are included to illustrate and bring to life key points. This book, written by a team of international experts with extensive experience of challenging field missions, will be an ideal practical guide for volunteers and health care workers, helping them to deal with confusing, chaotic, and distressing situations with greater confidence and efficacy.

**Physiotherapy in Respiratory Care** - Alexandra Hough 2013-11-11  
Respiratory care is an immensely satisfying branch of physiotherapy. It challenges our intellect, exploits our handling skills and employs our humanity to the full. Respiratory physiotherapy is both art and science. It is not an exact science, and effective treatment therefore depends on problem-solving. Analytic problem-solving requires the ability to define a problem and the knowledge to address it. Creative problem-solving requires a clear perspective of the individual patient's need. These are the aims of this book. Clinicians now expect explanations that are referenced and physiologically sound, meticulous attention to detail of technique and a patient-centred approach. This book is written for such readers and those who question and traditional rituals. fundamental assumptions Evaluation of practice is emphasized so that we are equipped to justify our protocol to ourselves and others. Carefully reasoned explanations and updated physiotherapy techniques are covered in precise detail. There is integration of theory and practice and emphasis on the hands-on aspect of physiotherapy. The glossary serves as a quick reference guide and an explanation of abbreviations, which are usually defined once only in the text. It has been greatly extended for the second edition and can be read in its own right as an extra physiology chapter. The text is enthusiastically written, highly readable and enlivened by quotations from patients whose experiences are a central theme throughout.

**Ventilation, Blood Flow, and Diffusion** - John West 2012-12-02  
Pulmonary Gas Exchange, Volume I: Ventilation, Blood Flow, and Diffusion considers the mechanisms of gas exchange in the lung. This volume is composed of nine chapters that particularly discuss the roles of ventilation, blood flow, and diffusion in pulmonary gas exchange. The opening chapter briefly traces the history of the chemistry and physics of pulmonary gas exchange. The next two chapters are devoted to the momentous developments that took place near the end of the Second World War advances which established the modern basis of gas. The remaining chapters describe the mechanism of gas exchange in the alveoli, how it crosses the blood-gas barrier, and the way in which ventilation-perfusion relationships determine the efficiency of exchange. This book will be of great benefit to pulmonologists and researchers in the biomedical field.

**Essentials of Mini – One Anastomosis Gastric Bypass** - Mervyn Deitel 2018-05-15  
This book indicates the technique and fine points of the mini- and one-anastomosis gastric bypass, and looks at the means of revising other operations related to it. The chapters discuss postoperative complications, treatment and requirements, postoperative diet and medications, the remarkable effects on the co-morbidities of morbid obesity, and the durability of the weight loss, as well as the improvement in the quality of life. Essentials of Mini – One Anastomosis Gastric Bypass aims to help surgeons manage the difficulties encountered within this procedure and to help create improved practice.

**Textbook of Cardiovascular Intervention** - Craig A. Thompson 2013-11-19  
The field of interventional cardiology and interventional vascular medicine now comprises the dominant diagnostic and therapeutic field within cardiovascular medicine, and continues to grow in terms of patients managed and physicians trained. The Textbook of Cardiovascular Intervention is intended to provide a modern, comprehensive and practical text on interventional cardiology for the current, rapidly evolving practice environment. It is written by a group of worldwide experts in the field and will appeal to fellows, residents and physicians in cardiology, interventional cardiology, cardiothoracic and vascular surgery, vascular and endovascular medicine, neurointerventional radiology and surgery, emergency medicine and intensive care.

**Cystic Fibrosis in the 21st Century** - Andrew Bush 2006  
Cystic fibrosis used to be thought of as a respiratory and digestive disease, with a uniformly and rapidly fatal outcome. The spectrum of the disease has broadened into the mild atypical case, presenting in middle age, with the potential for complications in virtually every system of the body. In the past few years there has been an explosion of knowledge of the basic science of the defect. The editors have therefore invited the leading scientists and clinicians in the field of cystic fibrosis to describe the recent advances in this disease. Although there are many 'Recent Advances' texts, previous books have been selective in their choice of topics. This book is the first to cover the entire field of this complex disease, and encompasses the rapidly moving topics of the basic molecular and cellular biology as well as the recent multi-system, multi-disciplinary advances in the clinical care of patients. The authors have

been charged with writing only about new developments and not to rehash old literature. The bulk of the references is therefore less than five years old. This book addresses all professionals who treat cystic fibrosis and want to have an up-date of new findings in the field, particularly of those outside their immediate specialisation. It will also be useful for basic researchers interested in related scientific areas and the clinical context of their work.

**Textbook of Sports and Exercise Cardiology** - Axel Pressler 2020-04-08  
This textbook provides a comprehensive, yet practically orientated overview of classic and novel sports cardiology topics, based on current evidence, guidelines, recommendations and expert experience. Numerous publications have provided guidance to these issues, but it has become increasingly difficult for both students and doctors to obtain a thorough, but practicable overview for optimal clinical care of athletes and patients. This book is intended as an educational work, filling the large gaps that are still present in the current educational guidelines for medical students and cardiology trainees. Textbook of Sports and Exercise Cardiology differs from other sports cardiology books by focusing on clear, practical recommendations based on the latest evidence, primarily targeting those who seek professional background information and education that can easily be transferred into everyday care.

**Cardiorespiratory Physiotherapy: Adults and Paediatrics** - Eleanor Main 2016-06-07  
The fifth edition of this seminal textbook continues to provide those who are studying or are in practice with comprehensive evidence-based coverage of all the main aspects of respiratory and cardiac physiotherapy throughout the whole lifespan - neonates, infants, children, adolescents and adults - with the patient at centre and advocating a problem-based approach. For the new edition, Jennifer Pryor and Ammani Prasad hand the baton of editorship and their lasting legacy over to Eleanor Main and Linda Denehy. With a team of over 60 international expert authors, the new editors have incorporated major changes reflecting current cardiorespiratory physiotherapy education and practice. These changes are heralded by a new title - Cardiorespiratory Physiotherapy: Adults and Paediatrics (formerly Physiotherapy for Respiratory and Cardiac Problems: Adults and Paediatrics) - and a significant restructure of the content with a new set of chapters. A new key chapter on anatomy and physiology of the respiratory system lays the foundation which is then followed by a chapter on clinical assessment of adults, infants and children, and acutely ill or deteriorating patients. Additional new content includes a chapter on outcome measurement in practice and a large chapter describing rehabilitation in acute and chronic conditions in special populations including spinal cord injury, oncology, trauma and paediatrics. The chapter on therapeutic interventions is comprehensive and reflective of evidence based practice. Integrates evidence with clinical practice Case studies used to facilitate problem solving Boxes throughout highlighting key issues and points Emphasizes the need for a holistic approach to patient care Bank of 350 images on Evolve Resources. Log on to <https://evolve.elsevier.com/Main/cardiorespiratory> and register to access. Newly appointed editors - Eleanor Main (UK) and Linda Denehy (Australia) Content restructure and overhaul with contributions from over 60 world leading experts Chapters on: Anatomy and physiology of the respiratory system Clinical assessment of the adult, infant/child and the acutely ill/deteriorating patient Outcome measurement in practice Therapeutic interventions Managing special populations Over 180 new figures including additional full-colour photographs

**The Physiotherapist's Pocketbook E-Book** - Karen Kenyon 2018-06-06  
A to Z list of pathologies Contraindications to treatment Pharmacology section with over 150 drugs described Biochemical and haematological values Common abbreviations  
**Cardiorespiratory Physiotherapy: Adults and Paediatrics: First South Asia Edition** - Eleanor Main 2017-02-26  
"The fifth edition of this seminal textbook continues to provide those who are studying or are in practice with comprehensive evidence-based coverage of all the main aspects of respiratory and cardiac physiotherapy throughout the whole lifespan - neonates, infants, children, adolescents and adults - with the patient at centre and advocating a problem-based approach. For the new edition, Jennifer Pryor and Ammani Prasad hand the baton of editorship and their lasting legacy over to Eleanor Main and Linda Denehy. With a team of over 60 international expert authors, the new editors have incorporated major changes reflecting current cardiorespiratory physiotherapy education and practice. These changes

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*Orthogeriatrics* Paolo Falaschi 2020

This new open access edition supported by the Fragility Fracture Network aims at giving the widest possible dissemination on fragility fracture (especially hip fracture) management and notably in countries where this expertise is sorely needed. It has been extensively revised and updated by the experts of this network to provide a unique and reliable content in one single volume. Throughout the book, attention is given to the difficult question of how to provide best practice in countries where the discipline of geriatric medicine is not well established and resources for secondary prevention are scarce. The revised and updated chapters on the epidemiology of hip fractures, osteoporosis, sarcopenia, surgery, anaesthesia, medical management of frailty, peri-operative complications, rehabilitation and nursing are supplemented by six new chapters. These include an overview of the multidisciplinary approach to fragility fractures and new contributions on pre-hospital care, treatment in the emergency room, falls prevention, nutrition and systems for audit. The reader will have an exhaustive overview and will gain essential, practical knowledge on how best to manage fractures in elderly patients

and how to develop clinical systems that do so reliably.

**Essentials of Cardiopulmonary Physical Therapy - E-Book** - Ellen Hillegass 2016-03-22

Improve your understanding of the cardiopulmonary system with *Essentials of Cardiopulmonary Physical Therapy*, 4th Edition. Based on best practices prescribed in *The Guide to Physical Therapist Practice*, this new edition provides comprehensive coverage of anatomy, physiology, and cardiopulmonary assessment, along with expanded chapters on the growing topics of early mobilization of the ICU patient and acute care management. Using a practical approach, expert author Ellen Hillegass also discusses pathophysiology, pharmacology, and interventions in the outpatient setting. Evidence-based content reflects the latest research in the field and incorporates the use of ICF. Material uses best practices defined by the American Physical Therapy Association. Clinical tips give you real-world hints and suggestions from practicing clinicians. NEW! Expanded chapters cover early mobilization of the ICU patient and acute care management. NEW! Updated references emphasize evidence-based information from the text. NEW! Full-color printing enhances text.

*Physiotherapy for Respiratory and Cardiac Problems* - Jennifer A. Pryor 1998

The fully updated and revised 2nd Edition of this well-established core textbook covers all aspects of physical therapy for cardiac and respiratory problems. Presented in a problem solving approach reflecting realistic clinical situations, this text is easy-to-read and ideal for quick reference. The first section provides the necessary skills for the assessment of patients and offers techniques on how to select and plan the appropriate treatment. The second looks at different patient groups with specific needs, covering both children and adults.