

## Introduction To Underwater Acoustics Avelox

The Art of Drug Synthesis illustrates how chemistry, biology, pharmacokinetics, and a host of other disciplines come together to produce successful medicines. The authors have compiled a collection of 21 representative categories of drugs, from which they have selected as examples many of the best-selling drugs on the market today. An introduction to each drug is provided, as well as background to the biology, pharmacology, pharmacokinetics, and drug metabolism, followed by a detailed account of the drug synthesis. Edited by prominent scientists working in drug discovery for Pfizer Meets the needs of a growing community of researchers in pharmaceutical R&D Provides a useful guide for practicing pharmaceutical scientists as well as a text for medicinal chemistry students An excellent follow-up to the very successful first book by these editors, Contemporary Drug Synthesis, but with all new therapeutic categories and drugs discussed.

Highly-illustrated and in line with current European guidelines, this handbook covers all aspects of the management of patients with valvular heart disease, providing clear advice on pathophysiology, diagnosis, investigation and treatment, including in special situations such as pregnancy or during non-cardiac surgery.

This edited volume discusses the role of various microbial products in healthcare, environment and agriculture. Several microbial products are directly involved in solving major health problems, agricultural and environmental issues. In healthcare sector, microbes are used as anti-tumor compounds, antibiotics, anti-parasitic agents, enzyme inhibitors and immunosuppressive agents. Microbial products are also used to degrade xenobiotic compounds and bio-surfactants, for biodegradation process. In agriculture, microbial products are used to enhance nutrient uptake, to promote plant growth, or to control plant diseases. The book presents several such applications of microbes in the ecosystems. The chapters are contributed from across the globe and contain up-to-date information. This book is of interest to teachers, researchers, microbiologists and ecologists. Also the book serves as additional reading material for undergraduate and graduate students of agriculture, forestry, ecology, soil science, and environmental sciences.

The Oxford Textbook of Medicine: Cardiovascular Disorders is selected from the cardiology section of the renowned Oxford Textbook of Medicine. An authoritative resource on heart disease and beautifully illustrated in full colour, it is an essential guide to best practice in managing and preventing a wide variety of cardiovascular disorders. Chapters on arrhythmias, acute coronary syndromes and cardiac surgery have been completely revised and updated, together with new chapters on blood vessels and the endothelium, cardiac physiology, syncope and palpitations, and cardio-renal syndrome. Heart failure and heart disease in pregnancy are thoroughly treated, while imaging chapters evaluate the latest techniques and illustrate all clinical features with detailed images. In 46 finely crafted chapters with clear essentials, experts in cardiovascular disease review the essentials of diagnosis, guidelines and practice and provide a wealth of practical advice for use in clinical situations. In addition, background information on epidemiology, pathogenesis and pathophysiology encourages a fuller understanding of conditions, and more than 350 full colour images help with diagnosis. This essential reference tool supports all medical professionals seeking a general outline of treatment and prevention of cardiovascular disorders, and fills the gap between undergraduate teaching texts and specialist texts for cardiologists. Cardiologists and general physicians will find it immensely valuable when diagnosing and managing heart disease in their day-to-day practice. It is also of use for trainees in cardiology and general medicine, especially those interested in applied cardiovascular pathophysiology.

Valvular Heart Disease

Oxford Handbook of Infectious Diseases and Microbiology

Drugs and the Kidney

Implantable Defibrillator Therapy: A Clinical Guide

Handbook of Dialysis

In recent years both doctors and patients have become increasingly aware that many essential drugs may induce unfortunate side-effects in susceptible individuals. The kidney is the principal route of excretion for many of these substances and may as a result become involved in pathological processes. Developments in haemodialysis and haemo perfusion may be of value in increasing the rate of excretion of potentially toxic substances but it is essential that the advantages and disadvantages of these techniques are fully appreciated by all with an interest in clinical practice. This book details the recent advances in understanding of analgesic nephropathy, interstitial nephritis, elimination of poisons and drug monitoring. Each chapter has been written by a recognized expert in the field and provides information of relevance and practical importance to the average clinician. The developments of the last decade have emphasized that drug toxicity is a subject on which all clinicians, but perhaps especially nephrologists, should be fully informed. ABOUT THE EDITOR Professor Graeme R. D. Catto is Professor in Medicine and Therapeutics at the University of Aberdeen and Honorary Consultant Physician/Nephrologist to the Grampian Health Board. His current interest in transplant immunology was stimulated as a Harkness Fellow at Harvard Medical School and the Peter Bent Brighton Hospital, Boston, USA. He is a member of many medical societies including the Association of Physicians of Great Britain and Ireland, the Renal Association and the Transplantation Society.

Written by recognized experts in the study of proteins, Proteomics for Biological Discovery begins by discussing the emergence of proteomics from genome sequencing projects and a summary of potential answers to be gained from proteome-level research. The tools of proteomics, from conventional to novel techniques, are then dealt with in terms of underlying concepts, limitations and future directions. An invaluable source of information, this title also provides a thorough overview of the current developments in post-translational modification studies, structural proteomics, biochemical proteomics, microfabrication, applied proteomics, and bioinformatics relevant to proteomics. Presents a comprehensive and coherent review of the major issues faced in terms of technology development, bioinformatics, strategic approaches, and applications Chapters offer a rigorous overview with summary of limitations, emerging approaches, questions, and realistic future industry and basic science applications Discusses higher level integrative aspects, including technical challenges and applications for drug discovery Accessible to the novice while providing experienced investigators essential information Proteomics for Biological Discovery is an essential resource for students, postdoctoral fellows, and researchers across all fields of biomedical research, including biochemistry, protein chemistry, molecular genetics,

cell/developmental biology, and bioinformatics.

Antimicrobial Chemotherapy OUP Oxford

Implantable defibrillators as originally conceived by Michel Mirowski were limited to the detection and automatic termination of ventricular fibrillation. In the original "AID" device, the detection algorithm sought to distinguish sinus rhythm from ventricular fibrillation by identifying the "more sinusoidal waveform of ventricular fibrillation." The therapeutic intervention was elicited only once deadly polymorphic rhythms had developed. It was rapidly learned, however, that ventricular fibrillation is usually preceded by ventricular tachycardia. Mirowski recognized the pivotal importance of developing algorithms based on heart rate. Ventricular tachycardia detection allowed the successful development of interventions for the termination of ventricular tachyarrhythmias before they degenerated into ventricular fibrillation. Current device therapy no longer confines itself to the termination of chaotic rhythms but seeks to prevent them. Diagnostic algorithms moved upward along the chain of events leading to catastrophic rhythms. Rate smoothing algorithms were developed to prevent postextrasystolic pauses from triggering ventricular and atrial tachyarrhythmias. Beyond the renaissance of ectopy-centered strategies, long-term prevention received increasing attention. Multisite pacing therapies provided by "Arrhythmia Management Devices" were designed to reduce the "arrhythmia burden" and optimize the synergy of cardiac contraction and relaxation. Clinical evidence now suggests that atrial fibrillation prevention by pacing is feasible and that biventricular pacing may be of benefit in selected patients with heart failure. However, these applications of device therapy that generally require ventricular defibrillation backup remain investigational and were not considered in this book.

Infectious Diseases Emergencies

Oxford Handbook of Genitourinary Medicine, HIV, and Sexual Health

A Resource Book for Clinical Practice

Oxford Textbook of Medical Mycology

Antibiotics and Antimicrobial Resistance Genes

This is a comprehensive handbook that covers all aspects of the assessment and management of patients in the resuscitation room of an Emergency Department. It is aimed at an array of different specialists, covering a range of experiences, and is presented in a logical and easily referenced format. A Resuscitation Room Guide provides practical guidance and background information on the initial care of the acutely ill patient when they first arrive at hospital. Basic principles of safe practice are emphasised, and relevant details for a wide range of emergency conditions are easily accessed. Descriptions of equipment and practical procedures are given along with the purpose and interpretation of tests and investigations. This book will undoubtedly act as a valuable reference tool for staff who are routinely involved with the care of patients in a resuscitation situation, and will be an essential guide for newly qualified doctors working in the Accident and Emergency department.

The second edition of this excellent and highly popular textbook continues to address the Royal College of Ophthalmologists (RCOphth) syllabus for trainee ophthalmologists and is an essential read for those studying ophthalmology, optometry and orthoptics. As a theoretical and practical aid, it guides readers through postgraduate Ophthalmic Specialist Training. Emphasis is placed on the practical assessment and management of key ophthalmic conditions. Clearly laid out and highly illustrated in full colour throughout, each condition is discussed in two or three-pages, beginning with general explanations of the pathophysiology and clinical evaluation, followed by differential diagnoses and treatment options. This thoroughly revised second edition includes new chapters on paediatric ophthalmology, refractive surgery and microsurgical skills. This text will appeal to foundation doctors, specialist trainees in ophthalmology, candidates preparing for the Fellowship of the Royal College of Ophthalmology (FRCOphth) examination, consultants in ophthalmology and practitioners looking for a comprehensive but accessible guide to the subject.

Infectious Diseases Emergencies is a succinct guide to the infectious disease processes most commonly seen in practice.

This volume focuses on antibiotics research, a field of topical significance for human health due to the worrying increase of nosocomial infections caused by multi-resistant bacteria. It covers several basic aspects, such as the evolution of antibiotic resistance and the influence of antibiotics on the gut microbiota, and addresses the search for novel pathogenicity blockers as well as historical aspects of antibiotics. Further topics include applied aspects, such as drug discovery based on biodiversity and genome mining, optimization of lead structures by medicinal chemistry, total synthesis and drug delivery technologies. Moreover, the development of vaccines as a valid alternative therapeutic approach is outlined, while the importance of epidemiological studies on important bacterial pathogens, the problems arising from the excessive use of antibiotics in animal breeding, and the development of innovative technologies for diagnosing the "bad bugs" are discussed in detail. Accordingly, the book will appeal to researchers and clinicians alike.

Oxford Handbook of Acute Medicine

Tutorial Topics in Infection for the Combined Infection Training Programme

Dosage Adjustment of Medications Eliminated by the Kidneys

Second Edition

CURRENT Diagnosis and Treatment in Otolaryngology--Head and Neck Surgery

*Antimicrobial agents are essential for the treatment of life-threatening infections and for managing the burden of minor infections in the community. In addition, they play a key role in organ and bone marrow transplantation, cancer chemotherapy, artificial joint and heart valve surgery. Unlike other classes of medicines, they are vulnerable to resistance from mutations in target microorganisms, and their adverse effects may extend to other patients (increased risk of cross-infection). As a consequence, there is a constant requirement for new agents, as well as practices that ensure the continued effective prescribing of licensed agents. Public awareness and concerns about drug resistant organisms has led to widespread publicity and political action in the UK, Europe and worldwide. The control of drug resistance and the implementation of good*

prescribing practice are now legal requirements in the UK as a result of the UK Health Act (2008). These fundamental changes underscore the need for a thorough understanding of the advantages and risks associated with specific antibiotic choices. This sixth edition of *Antimicrobial Chemotherapy* continues to be a valuable resource for undergraduates and graduates requiring a thorough grounding in the scientific basis and clinical application of these drugs. This new edition is updated to include the most recently licensed agents, notably in the treatment of viral infections including HIV/AIDS, and contains new guidance on prescribing practice and infection control practices that limit the development and spread of resistant organisms.

The workbook is the ideal companion to the text, providing students with a study tool that reinforces learning through fun-to-do exercises. Each chapter follows along with the text and features a host of critical thinking exercises, basic matching and true/false tests, word scrambles, crossword puzzles, vocabulary review exercises, and NCLEX-PN-style questions. The perfect supplement to the textbook, as well as stand-alone study tool, the *Student Workbook for Understanding Medical Surgical Nursing, 3rd edition*, is a must-have for LPN students striving for success.

Previously published as: *Handbook of genitourinary medicine, HIV, and AIDS*. 2005.

Rev. ed. of: *Practice guidelines for pediatric nurse practitioners* / [edited by] Beth Richardson.

*Handbook of Antibiotics*

*Renal Pharmacotherapy*

*The Art of Drug Synthesis*

*Oxford Textbook of Critical Care*

*Training in Ophthalmology*

**Featuring a clear and friendly writing style that emphasizes the relevance of microbiology to a career in the health professions, this edition offers a dramatically updated art program, new case studies that provide a real-life context for the content, the latest information on bacterial pathogens, an unsurpassed array of online teaching and learning resources, and much more. To ensure content mastery, this market-leading book for the one-semester course clarifies concepts, defines key terms, and is packed with in-text learning tools that make the content inviting and easy to understand. This edition provides a wide range of online teaching and learning resources to save you time and help your students succeed.**

**"Companion for travellers to wild and remote areas. This book provides comprehensive coverage to enable efficient planning and preparation before your journey, and gives practical advice on camp logistics, risk management, and medical issues. Other chapters include crisis management, emergency care, and evacuation from challenging environments."--**

**A doctor on the front lines of hospital care illuminates one of the most important and controversial social issues of our time. It is harder to die in this country than ever before. Though the vast majority of Americans would prefer to die at home—which hospice care provides—many of us spend our last days fearful and in pain in a healthcare system ruled by high-tech procedures and a philosophy to “fight disease and illness at all cost.” Dr. Ira Byock, one of the foremost palliative-care physicians in the country, argues that how we die represents a national crisis today. To ensure the best possible elder care, Dr. Byock explains we must not only remake our healthcare system but also move beyond our cultural aversion to thinking about death. *The Best Care Possible* is a compelling meditation on medicine and ethics told through page-turning life-or-death medical drama. It has the power to lead a new national conversation.**

**Overdose and poisoning are one of the most frequent acute medical presentations seen in emergency departments, and high dependency and intensive care facilities. *The Oxford Desk Reference: Toxicology* provides an authoritative guide for the management of patients with poisoning. Each chapter includes key clinical features and potential treatment options to help physicians to assess the potential severity of the poisoned patient and provide the optimum clinical care. A reader-friendly layout ensures that information is easy to find and assimilate, and topics are self-contained to aid quick diagnosis. Presented in an easy-to-use double-page spread format, highly bulleted and concise, *The Oxford Desk Reference: Toxicology* is ideal for quick referral when an acute problem arises. Contributions from the leading figures in toxicology make this book indispensable for all those involved with the management of poisoned patients, especially trainees and consultants working in emergency medicine, acute medicine, and critical care.**

***Burton's Microbiology for the Health Sciences***

***How to Overcome the Antibiotic Crisis***

***Global Burden and Challenges of Melioidosis***

***Facts, Challenges, Technologies and Future Perspectives***

The Oxford Handbook of Acute Medicine provides a handy and practical guide to the management of emergency situations in everyday practice. It is aimed at the newly qualified doctor, following on from the Oxford Handbook of Clinical Medicine. It provides step-by-step the current diagnostic and management principles necessary to allow junior doctors to deal with medical emergencies safely and effectively. It assumes a basic knowledge of disease processes, physical examination skills, and medical terminology, and concentrates on therapeutic and diagnostic decisions. It will also

This case-based approach to emergency medicine is a unique and underutilized teaching strategy, written for emergency room resident nurses.

"Full of information that most ENT surgeons have little experience with...great for exam prep or for a quick read before a presentation. I recommend that ENT trainees buy this book" Journal of Laryngology, March 2012

For more than 30 years, the highly regarded Secrets Series® has provided students and practitioners in all areas of health care with concise, focused, and engaging resources for quick reference and exam review. Urgent Care Secrets, a new volume in this bestselling series, features the Secrets' popular question-and-answer format that also includes lists, tables, and an easy-to-read style – making reference and review concise and enjoyable. The proven Secrets® format gives you the most return for your time – concise, easy to read, engaging, and highly effective. Provides an evidence-based approach to medical and traumatic complaints presenting to urgent care centers, focusing on presenting signs and symptoms, differential diagnosis, office management, and when to refer for higher level of care. Covers the full range of essential topics for understanding today's practice of urgent care – essential information for physicians, nurse practitioners, and physician assistants. Clear illustrations, figures, and flow diagrams expedite reference and review. Top 100 Secrets and Key Points boxes provide a fast overview of the secrets you must know for success in practice and on exams.

Urgent Care Medicine Secrets E-Book

USAMRIID's Medical Management of Biological Casualties Handbook

Handbook of Sepsis

A Resuscitation Room Guide

Cardiovascular Disorders

This practically oriented book provides an up-to-date overview of all significant aspects of the pathogenesis of sepsis and its management, including within the intensive care unit. Readers will find information on the involvement of the coagulation and endocrine systems during sepsis and on the use of biomarkers to diagnose sepsis and allow early intervention. International clinical practice guidelines for the management of sepsis are presented, and individual chapters focus on aspects such as fluid resuscitation, vasopressor therapy, response to multiorgan failure, antimicrobial therapy, and adjunctive immunotherapy. The closing section looks forward to the coming decade, discussing novel trial designs, sepsis in low- and middle-income countries, and emerging management approaches. The book is international in scope, with contributions from leading experts worldwide. It will be of value to residents and professionals/practitioners in the fields of infectious diseases and internal medicine, as well as to GPs and medical students.

To promote effectiveness and minimize possible toxicity, the dosage of certain medications must be adjusted in persons with compromised kidney function. Failure to enjoin appropriate dosage adjustments in patients with abnormal or rapidly changing kidney function continues to lead to reports of drug toxicity involving a broad array of renally eliminated medications. This updated edition captures nearly 200 new drugs that have been approved by the FDA since the initial publication of Renal Pharmacotherapy. It also covers new evidence that has emerged regarding the need to adjust dosage of certain older medications that are eliminated by the kidneys. Additionally, it presents new data that are being continuously derived in the areas of patient-specific dose individualization for drugs of all types. Comprehensive, convenient, and evidence-based, this reference closes several identified knowledge gaps and will continue to be the leading collection of dosage recommendations for patients with compromised kidney function.

Antibiotic Resistance: Mechanisms and New Antimicrobial Approaches discusses up-to-date knowledge in mechanisms of antibiotic resistance and all recent advances in fighting microbial resistance such as the applications of nanotechnology, plant products, bacteriophages, marine products, algae, insect-derived products, and other alternative methods that can be applied to fight bacterial infections. Understanding fundamental mechanisms of antibiotic resistance is a key step in the discovery of effective methods to cope with resistance. This book also discusses methods used to fight antibiotic-resistant infection based on a deep understanding of the mechanisms involved in the development of the resistance. Discusses methods used to fight antibiotic-resistant infection based on a deep understanding of mechanisms involved in the development of the resistance Provides information on modern methods used to fight antibiotic resistance Covers a wide range of alternative methods to fight bacterial resistance, offering the most complete information available Discusses both newly emerging trends and traditionally applied methods to fight antibiotic resistant infections in light of recent scientific developments Offers the most up-to-date information in fighting antibiotic resistance Includes involvement of contributors all across the world, presenting questions of interest to readers of both developed and developing countries

A succinct yet comprehensive overview of respiratory medicine, written for students and professionals Essential Respiratory Medicine is an indispensable text offering an understanding of respiratory conditions and their clinical management within evidence-based guidelines. Containing information on taking a medical history, performing examinations and investigations, diagnosis and the management of respiratory conditions, this comprehensive text was put together by a noted expert in the field. Written in an accessible manner, Essential Respiratory Medicine contains the foundational science associated with respiratory medicine, a wide-variety of practical procedures, helpful diagrams, and self-assessments designed to enhance understanding of the material presented. The text covers a variety of conditions as well as providing suggestions for engaging with patients at different stages of care. This important resource: Demonstrates an effective approach to patients presenting with common respiratory symptoms Includes a description of all key practical procedures with diagrams Discusses acute management of important respiratory emergencies Covers both acute and chronic disease Contains a companion website containing a range of learning materials, including downloadable management summaries and algorithms, an image bank, videos of patient examination, example respiratory sounds and multiple-choice questions Essential Respiratory Medicine is an essential resource for anyone on a clinical placement, rotation, or training programme in respiratory medicine.

Essential Respiratory Medicine

Microbial Products for Health, Environment and Agriculture

Proteomics for Biological Discovery

Understanding Medical Surgical Nursing

Oxford Textbook of Clinical Nephrology

**This book is the definitive reference regarding the global status of melioidosis in 2018. Melioidosis is one of the most neglected tropical diseases (NTDs), so much so that it is not even included in the WHO list of NTDs. Yet modeling suggests that it kills more people worldwide every year than diseases that are much better known, such as leptospirosis and dengue. The reasons for this under-recognition are numerous, including the fact that it mainly affects the disadvantaged rural poor in areas that are poorly supplied with the diagnostic capability to make the diagnosis. In 22 separate articles, expert authors from around the world have summarized what is known about the burden of the disease in humans and animals and the presence of the causative bacterium in the environment in their countries or regions. They have also identified the main obstacles and challenges to establishing the true burden, and to ensure that patients receive accurate diagnosis and optimal care for this all too frequently fatal disease. Rather than focusing on the theoretical risk of the use of *Burkholderia pseudomallei* as a biological weapon, this book highlights its importance as a clear and present danger to global public health.**

**The purpose for this handbook is to serve as a concise pocket-sized manual that will guide medical personnel in the prophylaxis and management of biological casualties. It is designed as a quick reference and overview, and is not intended as a definitive text on the medical management of biological casualties.**

**This book compiles the latest information in the field of antibacterial discovery, especially with regard to the looming threat of multi-drug resistance. The respective chapters highlight the discovery of new antibacterial and anti-infective compounds derived from microbes, plants, and other natural sources. The potential applications of nanotechnology to the fields of antibacterial discovery and drug delivery are also discussed, and one section of the book is dedicated to the use of computational tools and metagenomics in antibiotic drug discovery. Techniques for efficient drug delivery are also covered. The book provides a comprehensive overview of the progress made in both antibacterial discovery and delivery, making it a valuable resource for academic researchers, as well as those working in the pharmaceutical industry.**

**The Third Edition of this popular coat-pocket reference has been thoroughly updated, substantially condensed, and completely revised for greater practicality and accessibility. The new first section of this edition provides a quick, practical overview of common infectious diseases and clinical problems. The second section covers the major classes of antibiotics and includes information on side effects, dosages, and costs. The third section contains quick-reference dosing tables for all antibacterial, antiviral, and antifungal agents.**

**Approach to Internal Medicine**

**A Physician's Quest to Transform Care Through the End of Life**

**Oxford Handbook of Expedition and Wilderness Medicine**

**Environmental Occurrence and Treatment Technologies**

**Antimicrobial Chemotherapy**

**This book is a printed edition of the Special Issue "Recreational Water Illnesses" that was published in IJERPH**

**This volume summarizes and updates information about antibiotics and antimicrobial resistance (AMR)/antibiotic resistant genes (ARG) production, including their entry routes in soil, air, water and sediment, their use in hospital and associated waste, global and temporal trends in use and spread of antibiotics, AMR and ARG. Antimicrobial/antibiotic resistance genes due to manure and agricultural waste applications, bioavailability, biomonitoring, and their Epidemiological, ecological and public health effects. The book addresses the antibiotic and AMR/ARG risk assessment and treatment technologies, for managing antibiotics and AMR/ARG impacted environments The book's expert contributions span 20 chapters, and offer a comprehensive framework for better understanding and analyzing the environmental and social impacts of antibiotics and AMR/ARGs. Readers will have access to recent and updated models regarding the interpretation of antibiotics and AMR/ARGs in environment and biomonitoring studies, and will learn about the management options require to appropriately mitigate environmental contaminants and pollution. The book will be of interest to students, teachers, researchers, policy makers and environmental organizations.**

**The revised, updated Fourth Edition of this popular handbook provides practical, accessible information on all aspects of dialysis, with emphasis on day-to-day management of patients. Chapters provide complete coverage of hemodialysis, peritoneal dialysis, special problems in dialysis patients, and problems pertaining to various organ systems. This edition reflects the latest guidelines of the National Kidney Foundation's Kidney Disease Outcomes Quality Initiative (KDOQI) on hemodialysis and peritoneal dialysis adequacy and on nutrition. New chapters cover chronic kidney disease management in predialysis patients, frequent daily or nocturnal hemodialysis, and hemodiafiltration. Chapters on venous and arteriovenous access have been completely revised. Each chapter provides references to relevant Web sites.**

**Feedback from users suggest this resource book is more comprehensive and more practical than many others in the market. One of its strengths is that it was written by trainees in internal medicine who understand the need for rapid access to accurate and concise clinical information, with a practical approach to clinical problem solving.**

**Antibiotic Resistance**

**Mechanisms and New Antimicrobial Approaches**

**Recreational Water Illnesses**

*Oxford Textbook of Medicine*

*Natural Compounds, Nanotechnology and Novel Synthetic Sources*

*Microbiology and virology laboratories provide a diagnostic service that supports the management of patients under the care of front-line clinicians. Despite the significant overlap, laboratory expertise and clinical patient management are traditionally viewed as independent entities. Trainees in the infection disciplines of microbiology, virology, infectious diseases, and tropical medicine have until recently received separate, and as a result, limited training. To address this problem, the UK replaced the FRCPath Part 1 examination for infectious disease trainees with a combined infection training (CIT) curriculum in 2015. Based on the idea of integration and collaboration within the field, CIT links laboratory expertise to clinical patient management. Tutorial Topics in Infection for the Combined Infection Training Programme is the first book covering the complete CIT curriculum. Following the format of the CIT certificate examination, each chapter ends with three single best answer multiple choice questions accompanied by in-depth discussions. This extensive content helps students appreciate the breadth of knowledge required, emphasises how the different aspects of the field are related, and is an essential tool for those preparing for the CIT certificate examination. Written by a multi-disciplinary team of medical microbiologists, virologists, infectious disease physicians, clinical scientists, biomedical scientists, public health specialists, HIV clinicians, and infection control nurses, this well-illustrated and easy to use book offers a unique insight into infectious diseases. It is the perfect primer for further study, a starting point for medical students and professionals wishing to learn more about the different topics within the infection specialty, and ideal for biomedical scientists looking to broaden their clinical understanding of the field beyond the diagnostic test.*

*Part of the Oxford Textbook in Infectious Disease and Microbiology series, this comprehensive reference unites the science and medicine of human fungal disease. Written by a leading group of international authors, topics include recent developments in taxonomy, fungal genetics and other "omics", epidemiology, pathogenesis, and immunology.*

*Takes an integrated approach to both infectious disease and microbiology. Referenced to national frameworks and current legislation, it covers the basic principles of bacteriology and virology, specific information on diseases and conditions, and material on 'hot topics' such as bioterrorism and preventative medicine.*

*Now in paperback, the second edition of the Oxford Textbook of Critical Care addresses all aspects of adult intensive care management. Taking a unique problem-orientated approach, this is a key resource for clinical issues in the intensive care unit.*

*Clinical Emergency Medicine Casebook*

*Pediatric Primary Care*

*The Best Care Possible*

*Antibacterial Drug Discovery to Combat MDR*

*Oxford Desk Reference: Toxicology*