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## **0AP72V - BLANCHARD ANDREWS**

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This fourth edition of the anthrax guidelines encompasses a systematic review of the extensive new scientific literature and relevant publications up to end 2007 including all the new information that emerged in the 3-4 years after the anthrax letter events. This updated edition provides information on the disease and its importance, its etiology and ecology, and offers guidance on the detection, diagnostic, epidemiology, disinfection and decontamination, treatment and prophylaxis procedures, as well as control and surveillance processes for anthrax in humans and animals. With two rounds of a rigorous peer-review process, it is a relevant source of information for the management of anthrax in humans and animals.

Pharmacological knowledge among medical students can have a very short 'half life': students often fail not because they have failed to study, but because they have been unable to retain key knowledge and reproduce it in an exam setting. This book takes

an alternative route to the conventional approach of comprehensively exploring each individual drug and its features: not only can such an approach overwhelm and make knowledge retention difficult, but the current exam format makes questions structured in this way unlikely anyway. Instead of aiming to be completely comprehensive, it examines drugs systematically by classifications, mechanisms of action, therapeutic uses and side effects, enabling students to gain the distilled, functional grasp of pharmacology that their exams actually demand quickly and clearly. Long established as a trusted core text for pharmaceuticals courses, this gold standard book is the most comprehensive source on pharmaceutical dosage forms and drug delivery systems available today. Reflecting the CAPE, APhA, and NAPLEX® competencies, Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems covers physical pharmacy, pharmacy practice, pharmaceuticals, compounding, and dosage forms, as well as the clinical application of the various dosing forms in patient care. This Tenth Edition has been fully updated to reflect new USP standards and

features a dynamic new full color design, new coverage of prescription flavoring, and increased coverage of expiration dates. Implement the most current science and practice in antimicrobial research. Now, find the newest approaches for evaluating the activity, mechanisms of action, and bacterial resistance to antibiotics with this completely updated, landmark reference. Turn to this comprehensive reference for groundbreaking evidence on the molecular link between chemical disinfectants, sterilants, and antibiotics. On the latest methods for detecting antibacterial resistance genes in the clinical laboratory, and antivirogram use to select the most active antiviral components against your patient's HIV.

Written by an expert, using the same approach that made the previous two editions so successful, *Fundamentals of Environmental Chemistry, Third Edition* expands the scope of book to include the strongly emerging areas broadly described as sustainability science and technology, including green chemistry and industrial ecology. The new edition includes: Increased emphasis on the applied aspects of environmental chemistry Hot topics such as global warming and biomass energy Integration of green chemistry and sustainability concepts throughout the text More and updated questions and answers, including some that require Internet research Lecturers Pack on CD-ROM with solutions manual, PowerPoint presentations, and chapter figures available upon qualifying course adoptions The book provides a basic course in chemical science, including the fundamentals of organic chemistry and biochemistry. The author uses real-life examples from environmental chemistry, green chemistry, and related areas while maintain-

ing brevity and simplicity in his explanation of concepts. Building on this foundation, the book covers environmental chemistry, broadly defined to include sustainability aspects, green chemistry, industrial ecology, and related areas. These chapters are organized around the five environmental spheres, the hydrosphere, atmosphere, geosphere, biosphere, and the anthrosphere. The last two chapters discuss analytical chemistry and its relevance to environmental chemistry. Manahan's clear, concise, and readable style makes the information accessible, regardless of the readers' level of chemistry knowledge. He demystifies the material for those who need the basics of chemical science for their trade, profession, or study curriculum, as well as for readers who want to have an understanding of the fundamentals of sustainable chemistry in its crucial role in maintaining a livable planet.

Based on key content from *Red Book: 2006 Report of the Committee on Infectious Diseases, 27th Edition*, the new *Red Book Atlas* is a useful quick reference tool for the clinical diagnosis and treatment of more than 75 of the most commonly seen pediatric infectious diseases. Includes more than 500 full-color images adjacent to concise diagnostic and treatment guidelines. Essential information on each condition is presented in the precise sequence needed in the clinical setting: Clinical manifestations, Etiology, Epidemiology, Incubation period, Diagnostic tests, Treatment

In recent years the basic science viva of the Final FRCA has evolved a more clinical perspective. The new edition of the highly successful *Anaesthesia Science Viva Book* incorporates this new clinical emphasis, giving candidates an insight into the way the viva works, offering general guidance on exam technique, and providing readily accessible information relating to a wide range of

potential questions. Questions are divided broadly into the four areas covered by the exam: applied anatomy, physiology, pharmacology and clinical measurement. Answers have been constructed to provide candidates with more than enough detail to pass the viva. Covering the full scope of the basic science syllabus, and written by an experienced FRCA examiner, *The Anaesthesia Science Viva Book*, second edition, is an essential purchase for every Final FRCA candidate.

A practical manual for clinicians in the care of critically ill patients covering Acid-base Disorders, Cardiology, Intravenous Drug Dosages, Electrolyte Disorders, Endocrinology, Environmental Critical Care, Ethics, Gastroenterology, Hematology, Hemodynamic Monitoring, Infectious Diseases

Now in its thoroughly revised, updated Fifth Edition, this handbook is a practical, easily accessible, and authoritative guide to the diagnosis and treatment of infectious diseases. Leading experts present realistic clinical approaches to infectious disease problems seen in hospital and outpatient settings and offer up-to-the-minute advice on antimicrobial use—including specific recommendations on dosages, routes of administration, and duration of therapy. Chapters are written in a user-friendly outline format that is ideal for quick reference. This edition includes complete information on new diseases, new antibiotics, and HIV antiviral agents.

*Antibiotics Simplified*, Fifth Edition is a best-selling, succinct guide designed to bridge knowledge gained in basic sciences courses with clinical practice in infectious diseases. This practical text reviews basic microbiology and how to approach the pharmacother-

apy of a patient with a presumed infection. It also contains concise Drug Class Reviews with an explanation of the characteristics of various classes of antibacterial drugs and antifungal drugs. This text simplifies learning infectious disease pharmacotherapy and condenses the many facts that are taught about antibiotics into one quick reference guide. This guide will help students learn the characteristics of antibiotics and why an antibiotic is useful for an indication. With an understanding of the characteristics of the antibiotics, students will be able to make a logical choice to treat an infection more easily.

Health Sciences & Professions

Provides a conceptual overview of pathophysiology and mechanisms of disease, designed to ease the transition from the basic sciences to the clinical years. This book will be a phenomenal learning tool for students in the second and third years of medical school and during USMLE Step 1 preparation, but will also be very helpful to nurses, nurse practitioners, physician assistants, and other health care professionals seeking to learn or review the physiological mechanisms of diseases, their diagnosis, and their management. The accompanied CD, *Differential Diagnosis*, allows one to select a symptom, sign, or lab finding and see all of the many diseases that could cause it, classified by pathophysiological mechanism. By teaching basic medical science and clinical reasoning hand-in-hand in a simple, light, and highly accessible writing style, this book provides an integrated and easy-to-understand approach to learning the science of medicine.

Nail abnormalities are common and appearances can be difficult to diagnose with certainty. They may be a sign of an underlying

internal disease or disorder so it is vital that correct diagnosis and treatment are achieved. This book is a comprehensive guide to the anatomy, infections, inflammatory disorders and tumours of the nail. Beginning with detailed discussion on nail evolution, anatomy, embryology, biochemistry, blood supply and functions, the following chapters examine numerous nail disorders in children and adults. The final chapters describe nail surgery and nail cosmetics, discussing the advantages and disadvantages of various products. The thorough text is further enhanced by numerous full colour illustrations, clinical pictures and dermatoscopic images, to assist learning. Key points Comprehensive guide to disorders of the nail Describes in detail the anatomy, embryology and functions of nail Discusses infections, inflammatory disorders and tumours in all age groups Separate chapters on nail surgery and nail cosmetics Includes more than 275 full colour illustrations, clinical pictures and dermatoscopic images

**A STEP-BY-STEP APPROACH TO DESIGNING ACCURATE DOSING REGIMENS** Casebook in Pharmacokinetics and Drug Dosing uses real-life cases to teach pharmacy students, pharmacists, and clinical pharmacists how to apply pharmacokinetics to formulate proper dosing regimens. In order to be as clinically relevant as possible, the book not only discusses drugs with readily available therapeutic serum levels, but places equal emphasis on high-alert agents with narrow therapeutic indexes. Each drug chapter is written by clinical pharmacists who have hands-on experience in drug dosing and includes an overview of the drug's pharmacology, including: Indications Mechanisms of action Toxicities Pharmacokinetics There is comprehensive review and discussion of each drug's bioavailability, volume of distribution, clearance, half-

life, therapeutic drug level monitoring, drug interactions, dosing, and availability. Each chapter is enhanced by numerous patient cases with clear step-by-step answers and explanations. Calculations, equations, and dosing recommendations are provided for each case.

This best-selling pocket-sized book helps you perform drug calculations with confidence and competence. The completely updated third edition includes community practice and primary care settings, and a whole new section on pharmacology and medicines to put drug calculations into context. Starting with the basic mathematical skills required for calculations, including tips on using calculators and estimating answers, *Drug Calculations for Nurses* progresses to give you an understanding of basic pharmacokinetics and therapeutics. It also covers how drugs work in specific groups such as children and the elderly. The book takes you through step-by-step drug calculations with units and drug strengths clearly explained. Pre-test and a revision questions allow you to test and be confident in the skills you have acquired.

*Antibiotics Simplified, Fourth Edition* is a best-selling, succinct guide designed to bridge knowledge gained in basic sciences courses with clinical practice in infectious diseases. This practical text reviews basic microbiology and how to approach the pharmacotherapy of a patient with a presumed infection. It also contains concise Drug Class Reviews with an explanation of the characteristics of various classes of antibacterial drugs and antifungal drugs. This text simplifies learning infectious disease pharmacotherapy and condenses the many facts that are taught about antibiotics into one quick reference guide. This guide will help students learn the characteristics of antibiotics and why an antibiotic

is useful for an indication. With an understanding of the characteristics of the antibiotics, students will be able to make a logical choice to treat an infection more easily.

A practical guide for the treatment of common diseases, this updated edition includes the very latest information. It covers the treatment of disease by drug therapy and uses case studies to illustrate the application of the principles discussed

The 19th edition of the EMRA Antibiotic Guide provides clear interpretation of the most recent IDSA guidelines for treating pneumonia, plus an overview of antibiotic use in pregnancy, and more. You can't go on shift without this incredible resource - and you won't want to. Navigate the multitude of choices in antibiotics quickly and efficiently so you can offer your patients the best care based on the latest guidelines. Protect against overprescribing, address pediatric dosage questions, examine penicillin usage, and stay up-to-date on new approvals and guidance from the FDA.

Thoroughly revised and updated, the fifth edition of this prize-winning title retains the high level of illustration and accessibility that has made it so popular worldwide with medical students and trainees approaching clinical specialty exams. Illustrated Textbook of Paediatrics has been translated into eight languages over its life. Case studies. Summary boxes. Tips for patient education. Highly illustrated with 100s of colour images. Diseases consistently presented by Clinical features; Investigations; Management; Prognosis; and, where appropriate, Prevention. Separate chapters on Accidents Child protection Diabetes and endocrinology Inborn Errors of Metabolism New chapter on Global child health New co-

editor, Will Carroll, Chair of MRCPCH Theory Examinations.

Ideal for health science and nursing students, Fundamentals of Microbiology: Body Systems Edition, Third Edition retains the engaging, student-friendly style and active learning approach for which award-winning author and educator Jeffrey Pommerville is known. Highly suitable for non-science majors, the fully revised and updated third edition of this bestselling text contains new pedagogical elements and an established learning design format that improves comprehension and retention and makes learning more enjoyable. Unlike other texts in the field, Fundamentals of Microbiology: Body Systems Edition takes a global perspective on microbiology and infectious disease, and supports students in self-evaluation and concept absorption. Furthermore, it includes real-life examples to help students understand the significance of a concept and its application in today's world, whether to their local community or beyond. New information pertinent to nursing and health sciences has been added, while many figures and tables have been updated, revised, and/or reorganized for clarity. Comprehensive yet accessible, the Third Edition is an essential text for non-science majors in health science and nursing programs taking an introductory microbiology course. -- Provided by publisher.

Infectious diseases are the leading cause of death globally, particularly among children and young adults. The spread of new pathogens and the threat of antimicrobial resistance pose particular challenges in combating these diseases. Major Infectious Diseases identifies feasible, cost-effective packages of interventions and strategies across delivery platforms to prevent and treat

HIV/AIDS, other sexually transmitted infections, tuberculosis, malaria, adult febrile illness, viral hepatitis, and neglected tropical diseases. The volume emphasizes the need to effectively address emerging antimicrobial resistance, strengthen health systems, and increase access to care. The attainable goals are to reduce incidence, develop innovative approaches, and optimize existing tools in resource-constrained settings.

Standards for unlicensed aseptic preparation in the UK, as well as practical information for implementing the standards.

The medical management of infectious diseases and antimicrobial therapy can be a daunting task for health care professionals. Although expansive textbooks and online resources are available, a simplified, quick reference guide is needed for the day-to-day office and hospital clinical practice. Mayo Clinic Antimicrobial Therapy: Quick Guide, Second Edition, provides information about infectious diseases and antimicrobial therapy in a format that is readily accessible and easily applicable to the clinical environment. Highlights of this book include drug dosing recommendations for renal function and renal replacement therapies, drugs of choice for specific organisms (including bacteria, fungi, and viruses), and simplified antimicrobial and management recommendations for specific infectious syndromes. Mayo Clinic Antimicrobial Therapy: Quick Guide, Second Edition, will assist health care providers in the management of infectious diseases and in the selection of appropriate antimicrobial therapy in a time-efficient manner.

Essential Microbiology 2nd Edition is a fully revised comprehensive introductory text aimed at students taking a first course in the subject. It provides an ideal entry into the world of microor-

ganisms, considering all aspects of their biology (structure, metabolism, genetics), and illustrates the remarkable diversity of microbial life by devoting a chapter to each of the main taxonomic groupings. The second part of the book introduces the reader to aspects of applied microbiology, exploring the involvement of microorganisms in areas as diverse as food and drink production, genetic engineering, global recycling systems and infectious disease. Essential Microbiology explains the key points of each topic but avoids overburdening the student with unnecessary detail. Now in full colour it makes extensive use of clear line diagrams to clarify sometimes difficult concepts or mechanisms. A companion web site includes further material including MCQs, enabling the student to assess their understanding of the main concepts that have been covered. This edition has been fully revised and updated to reflect the developments that have occurred in recent years and includes a completely new section devoted to medical microbiology. Students of any life science degree course will find this a concise and valuable introduction to microbiology.

"Pharmaceutics is the art of pharmaceutical preparations. It encompasses design of drugs, their manufacture and the elimination of micro-organisms from the products. This book encompasses all of these areas."--Provided by publisher.

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.

A chemocentric view of the molecular structures of antibiotics, their origins, actions, and major categories of resistance. *Antibiotics: Challenges, Mechanisms, Opportunities* focuses on antibiotics as small organic molecules, from both natural and synthetic sources. Understanding the chemical scaffold and functional group structures of the major classes of clinically useful antibiotics is critical to understanding how antibiotics interact selectively with bacterial targets. This textbook details how classes of antibiotics interact with five known robust bacterial targets: cell wall assembly and maintenance, membrane integrity, protein synthesis, DNA and RNA information transfer, and the folate pathway to deoxythymidylate. It also addresses the universe of bacterial resistance, from the concept of the resistome to the three major mechanisms of resistance: antibiotic destruction, antibiotic active efflux, and alteration of antibiotic targets. *Antibiotics* also covers the biosynthetic machinery for the major classes of natural product antibiotics. Authors Christopher Walsh and Timothy Wencewicz provide compelling answers to these questions: What are antibiotics? Where do antibiotics come from? How do antibiotics work? Why do antibiotics stop working? How should our limited inventory of effective antibiotics be addressed? *Antibiotics* is a textbook for graduate courses in chemical biology, pharmacology, medicinal chemistry, and microbiology and biochemistry courses. It is also a valuable reference for microbiologists, biological and natural product chemists, pharmacologists, and research and development scientists.

Publisher's Note: Products purchased from 3rd Party sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. Popu-

lar as a classroom text, for review, and as a clinical quick-reference, this time-saving resource helps medical students master the rationale behind antibiotic selection for common bacterial pathogens and infectious diseases. Updated content reflects the latest antibiotic medications available on the market, and new full-color illustrations strengthen users' understanding of the application of antibiotic drug treatment.

The Fifth Edition of *Antimicrobial Therapy in Veterinary Medicine*, the most comprehensive reference available on veterinary antimicrobial drug use, has been thoroughly revised and updated to reflect the rapid advancements in the field of antimicrobial therapy. Encompassing all aspects of antimicrobial drug use in animals, the book provides detailed coverage of virtually all types of antimicrobials relevant to animal health. Now with a new chapter on antimicrobial therapy in zoo animals, *Antimicrobial Therapy in Veterinary Medicine* offers a wealth of invaluable information for appropriately prescribing antimicrobial therapies and shaping public policy. Divided into four sections covering general principles of antimicrobial therapy, classes of antimicrobial agents, special considerations, and antimicrobial drug use in multiple animal species, the text is enhanced by tables, diagrams, and photos. *Antimicrobial Therapy in Veterinary Medicine* is an essential resource for anyone concerned with the appropriate use of antimicrobial drugs, including veterinary practitioners, students, public health veterinarians, and industry and research scientists.

This up-to-the-minute reference explores the pharmacodynamics of antimicrobials as well as the absorption, distribution, metabolism, and elimination of the major classes of antimicrobial-

s-covering new agents such as ketolide antibiotics and highlighting the pharmacodynamic relationship between drug concentration and antimicrobial activity, as well as the relationship of pharmacodynamics to bacterial resistance. Contains specific examples and practical applications for the design of effective dosing regimens! Written by recognized experts in the field, *Antimicrobial Pharmacodynamics in Theory and Clinical Practice* describes the pharmacodynamic properties of all major classes of antibiotics parameters for microbiological activity of antimicrobial agents such as minimal inhibitory concentration (MIC) and minimal bactericidal concentration (MBC) serum/tissue protein binding and penetration rates differences between in vivo and in vitro postantibiotic effects (PAE) and more! With nearly 1000 references, tables, drawings, and illustrations, *Antimicrobial Pharmacodynamics in Theory and Clinical Practice* is a state-of-the-art reference for infectious disease specialists, pulmonologists, pharmacists, pharmacologists, microbiologists, biological chemists, epidemiologists, internists, and students in these disciplines.

Learn the essential principles of pharmacotherapy and how they apply to today's healthcare *Pharmacotherapy Principles & Practice, Third Edition* uses a solid evidence-based approach to teach you how to design, implement, monitor, and evaluate medication therapy. This trusted text provides everything you need to gain an in-depth understanding of the principles essential optimal pharmacotherapy of disease. In order to be as clinically relevant as possible, the disease states and treatments discussed focus on disorders most often seen in clinical practice. Chapters were written or reviewed by pharmacists, nurse practitioners, physician assistants, and physicians who are authorities in their fields. The

book opens with an introductory chapter followed by chapters on pediatrics, geriatrics, and palliative care. The remainder of the text consists of ninety-eight disease-based chapters that review etiology, epidemiology, pathophysiology, and clinical presentation, followed by therapeutic recommendations for drug selection, dosing, and patient monitoring.

"This resource will educate students and pharmacists on traditional drug information topics while providing an extensive background on more recent practice areas. This is a user-friendly text with multiple examples that can be used in education and training, as well as clinical practice. Each chapter includes learning objectives, key terms, example

With over 400 drug monographs, this book covers the technical, practical and legal aspects that you should consider before prescribing or administering drugs via enteral feeding tubes.

The new edition of the hugely successful *Ross and Wilson Anatomy & Physiology in Health and Illness* continues to bring its readers the core essentials of human biology presented in a clear and straightforward manner. Fully updated throughout, the book now comes with enhanced learning features including helpful revision questions and an all new art programme to help make learning even easier. The 13th edition retains its popular website, which contains a wide range of 'critical thinking' exercises as well as new animations, an audio-glossary, the unique *Body Spectrum*® online colouring and self-test program, and helpful weblinks. *Ross and Wilson Anatomy & Physiology in Health and Illness* will be of particular help to readers new to the subject area, those returning to study after a period of absence, and for anyone whose first



language isn't English. Latest edition of the world's most popular textbook on basic human anatomy and physiology with over 1.5 million copies sold worldwide Clear, no nonsense writing style helps make learning easy Accompanying website contains animations, audio-glossary, case studies and other self-assessment material, the unique Body Spectrum© online colouring and self-test software, and helpful weblinks Includes basic pathology and pathophysiology of important diseases and disorders Contains helpful learning features such as Learning Outcomes boxes, colour coding and design icons together with a stunning illustration and photography collection Contains clear explanations of common prefixes, suffixes and roots, with helpful examples from the text, plus a glossary and an appendix of normal biological values. Particularly valuable for students who are completely new to the subject, or returning to study after a period of absence, and for anyone whose first language is not English All new illustration programme brings the book right up-to-date for today's student Helpful 'Spot Check' questions at the end of each topic to monitor progress Fully updated throughout with the latest information on common and/or life threatening diseases and disorders Review and Revise end-of-chapter exercises assist with reader understanding and recall Over 150 animations - many of them newly created - help clarify underlying scientific and physiological principles and make learning fun

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Discover the medication therapy management solution—with this definitive, up-to-date sourcebook The need to improve the use of medi-

cations has major implications for the nation's healthcare system. Burdened by high costs and an ineffective process of providing medication therapy, the current prescription drug environment poses considerable risks to patient safety. Medication therapy management (MTM) is designed to address these deficiencies—and this essential text gives pharmacists all the right MTM tools to identify and eliminate drug-related problems that can cause potentially severe adverse events. Medication Therapy Management delivers the most relevant insights into MTM—a vital service that is gaining momentum due to the rapid growth of patient-centered care, healthcare information technology, new practice models (e.g., Patient Centered Medical Home), and new payment methods. Cohesively organized, this expert-authored guide begins with an introduction to data sets for MTM, covering essential topics such as establishing quality and performance improvement, the payer perspective, conducting the comprehensive medication review, and reimbursement. The second part of Medication Therapy Management reviews MTM data sets for a wide spectrum of disorders, from asthma and atrial fibrillation to HIV and heart disease. Enhanced by the latest perspectives on therapeutics, including completely up-to-date tables throughout, Medication Therapy Management is a practical, skill-building roadmap for optimizing drug therapy and enhancing patient outcomes. Features • Everything you need to provide successful MTM services and empower patients to take an active role in their medication and overall healthcare • Turnkey disease-based data sets help you apply proven MTM principles to common disorders • Helpful appendices cover therapy management characteristics and answers to key questions; the MTM practice model and training survey; and the

Medicare Part D MTM program standardized format