

John Hopkins Abx Guide

HIV/AIDS Treatment and CareLibrary JournalPerspectives on Nuclear Medicine for Molecular Diagnosis and Integrated TherapyJohns Hopkins Internal Medicine Board ReviewTaber's Cyclopedic Medical DictionaryKidney CancerFundamental Medical MycologyArt Gallery Theorems and AlgorithmsJohns Hopkins ABX GuideCatheter-Related InfectionsFeedback SystemsMayo Clinic Antimicrobial TherapyDiabetes Head to ToeComputing Handbook, Third EditionChoicePreceptor's Handbook for PharmacistsThe Washington Manual of Medical TherapeuticsThe Perspectives of PsychiatryIntroduction to Reference Sources in the Health Sciences, Sixth EditionDetection TheorySurgery2020 Nelson's Pediatric Antimicrobial TherapyJohns Hopkins POC-IT Center ABX Guide: Diagnosis & Treatment of Infectious DiseasesAutophagyLippincott's Illustrated Reviews: PharmacologyCampbell's Operative OrthopaedicsWhy Can't I Get Better?Johns Hopkins ABX Guide 2012AntimicrobialsAtlas of Operative Oral and Maxillofacial Surgery14th Nordic-Baltic Conference on Biomedical Engineering and Medical PhysicsJohns Hopkins POC-IT Center ABX Guide: Diagnosis & Treatment of Infectious DiseasesBuyer's Guide and Web Site DirectoryVitamin C: Current Concepts in Human PhysiologyGuide to Antimicrobial TherapyThe Emergency Medicine Trauma HandbookThe Psychiatry of AIDSChallenges to Tackling Antimicrobial ResistanceMLA NewsCritical Care Nursing Secrets

HIV/AIDS Treatment and Care

Medical mycology deals with those infections in humans, and animals resulting from pathogenic fungi. As a separate discipline, the concepts, methods, diagnosis, and treatment of fungal diseases of humans are specific. Incorporating the very latest information concerning this area of vital interest to research and clinical microbiologists, *Fundamental Medical Mycology* balances clinical and laboratory knowledge to provide clinical laboratory scientists, medical students, interns, residents, and fellows with in-depth coverage of each fungal disease and its etiologic agents from both the laboratory and clinical perspective. Richly illustrated throughout, the book includes numerous case presentations.

Library Journal

Don't gamble on the most important exam of your career ace the boards with the Johns Hopkins Internal Medicine Board Review! Johns Hopkins was the birthplace of the Internal Medicine residency, and it has led the field ever since. Now it's also the source of the most effective board-review tool in the specialty! Respected experts summarize just the imperative information you need to know for certification or recertification. Get all the core knowledge you need through comprehensive review text; bolded key information; and helpful tables and algorithms. Test your skills

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and simulate the exam experience with over 1,000 exam questions; complete, comprehensive answers in study and test modes; and fully searchable text online at www.expertconsult.com. Go into the exam with confidence with exam-taking tips and tricks. View full-color clinical images covering all the image types you'll see on the boards, including x-rays, common skin findings, peripheral blood smear, ophthalmology findings, and CT and MR images. Master the latest knowledge and concepts in the field through fully updated text and online questions. Ace the internal medicine boards with the only review that provides over 1,000 full exam mode review questions online and in print. Your purchase entitles you to access the web site until the next edition is published, or until the current edition is no longer offered for sale by Elsevier, whichever occurs first. Elsevier reserves the right to offer a suitable replacement product (such as a downloadable or CD-ROM-based electronic version) should online access to the web site be discontinued.

Perspectives on Nuclear Medicine for Molecular Diagnosis and Integrated Therapy

Contains 55,000 alphabetically arranged entries that provide definitions of terms and phrases related to health science.

Johns Hopkins Internal Medicine Board Review

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Computing Handbook, Third Edition: Computer Science and Software Engineering mirrors the modern taxonomy of computer science and software engineering as described by the Association for Computing Machinery (ACM) and the IEEE Computer Society (IEEE-CS). Written by established leading experts and influential young researchers, the first volume of this popular handbook examines the elements involved in designing and implementing software, new areas in which computers are being used, and ways to solve computing problems. The book also explores our current understanding of software engineering and its effect on the practice of software development and the education of software professionals. Like the second volume, this first volume describes what occurs in research laboratories, educational institutions, and public and private organizations to advance the effective development and use of computers and computing in today's world. Research-level survey articles provide deep insights into the computing discipline, enabling readers to understand the principles and practices that drive computing education, research, and development in the twenty-first century.

Taber's Cyclopedic Medical Dictionary

Kidney Cancer

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Surgery: A Case Based Clinical Review provides the reader with a comprehensive understanding of surgical diseases in one easy to use reference that combines multiple teaching formats. The book begins using a case based approach. The cases presented cover the diseases most commonly encountered on a surgical rotation. The cases are designed to provide the reader with the classic findings on history and physical examination. The case presentation is followed by a series of short questions and answers, designed to provide further understanding of the important aspects of the history, physical examination, differential diagnosis, diagnostic work-up and management, as well as questions that may arise on surgical rounds. Key figures and tables visually reinforce the important elements of the disease process. A brief algorithmic flow chart is provided so the reader can quickly understand the optimal management approach. Two additional special sections further strengthen the student's comprehension. The first section covers areas of controversy in the diagnosis or management of each disease, and another section discusses pitfalls to avoid, where the inexperienced clinician might get in trouble. The text concludes with a series of multiple choice questions in a surgery shelf/USMLE format with robust explanations. Surgery: A Case Based Clinical Review is based on 20 years of Socratic medical student teaching by a nine-time Golden Apple teaching awardee from the UCLA School of Medicine and will be of great utility for medical students when they rotate on surgery, interns, physician assistant students, nursing students and nurse practitioner students.

Fundamental Medical Mycology

The Johns Hopkins POC-IT Center ABX Guide, Second Edition continues to provide current, authoritative, comprehensive information on anti-microbial agents, infectious diseases, and commonly-encountered pathogens in one portable volume. Written by experts at the world-renowned Johns Hopkins University School of Medicine, this must-have resource features expert recommendations, clinical and diagnostic decision-making tools, and drug-to-drug interactions. Concise, thorough, and current, The Johns Hopkins ABX Guide, Second Edition is designed for quick reference and comprehension. Information is featured in an easy-to-access format that facilitates rapid application of knowledge at the point of care. Jones & Bartlett Learning is the Official Print and Mobile Provider of the Johns Hopkins ABX Guide.

Art Gallery Theorems and Algorithms

Johns Hopkins ABX Guide

Catheter-Related Infections

This work is devoted to understanding the recent advances in nuclear medicine and molecular imaging technologies along with their application to integrated medical therapy and future drug development. This anthology is based on the international symposium in 2015 entitled “Perspective on Nuclear Medicine for Molecular Diagnosis and Integrated Therapy. “The symposium provided an opportunity to exchange ideas on how to promote nuclear medicine technology and how to extend the technology to medical therapy and drug development, and was also a good opportunity to discuss the future perspective of nuclear medicine and molecular imaging by worldwide leaders in the field. Molecular imaging technologies have been rapidly developed worldwide in recent years. Among those developments, nuclear medicine has come to play an important role in quantitative analysis of biological process in vivo as well as in wide clinical use. With the current progress of nuclear medicine and molecular imaging, this modality has been applied for treatment monitoring and predicting its outcome with the use of optimal imaging biomarkers and suitable quantitative analysis. Truly, a new era has arrived with clinical use of nuclear medicine and molecular imaging for personalized medicine. This volume will benefit a wide variety of researchers in life science including those working in drug development, molecular imaging, and medical therapy as well as physicians who utilize diagnostic imaging.

Feedback Systems

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Atlas of Operative Oral and Maxillofacial Surgery is an innovative, multidisciplinary, contemporary surgical atlas covering core aspects of oral and maxillofacial surgery, head and neck reconstructive surgery and facial cosmetic surgery. The text is constructed as a procedure-based surgical atlas with special emphasis placed on depicting surgical techniques with high-resolution color illustrations and images. Chapters are written by experts in their field and are designed to provide high-yield information pertaining to procedure indications, contraindications, pertinent anatomy, techniques, post-operative management, complications and key points. Each chapter concludes with a detailed photographic case report illustrating pertinent procedure specifics such as locations for incisions, anatomical planes of dissection, key steps in the procedure, radiographs findings and pre- and postoperative photographs. Procedures are organized by sections to include: dentoalveolar and implant surgery, odontogenic head and neck infections, maxillofacial trauma surgery, orthognathic and craniofacial surgery, tempomandibular joint surgery, infections of the head and neck, facial cosmetic surgery, and pathology and reconstructive surgery. The combination of concise text, more than 1,000 color clinical illustrations and images, and case reports makes the Atlas of Operative Oral and Maxillofacial Surgery a key reference to all oral and maxillofacial surgeons, head and neck surgeons, and facial plastic surgeons and will serve as a foundation for residency training, board certification and the recently implemented recertification examinations.

Mayo Clinic Antimicrobial Therapy

14th Nordic - Baltic Conference on Biomedical Engineering and Medical Physics - NBC-2008 - brought together scientists not only from the Nordic - Baltic region, but from the entire world. This volume presents the Proceedings of this international conference, jointly organized by the Latvian Medical Engineering and Physics Society, Riga Technical University and University of Latvia in close cooperation with International Federation of Medical and Biological Engineering (IFMBE) The topics covered by the Conference Proceedings include: Biomaterials and Tissue Engineering; Biomechanics, Artificial Organs, Implants and Rehabilitation; Biomedical Instrumentation and Measurements, Biosensors and Transducers; Biomedical Optics and Lasers; Healthcare Management, Education and Training; Information Technology to Health; Medical Imaging, Telemedicine and E-Health; Medical Physics; Micro- and Nanoobjects, Nanostructured Systems, Biophysics

Diabetes Head to Toe

Includes, beginning Sept. 15, 1954 (and on the 15th of each month, Sept.-May) a special section: School library journal, ISSN 0000-0035, (called Junior libraries, 1954-May 1961). Also issued separately.

Computing Handbook, Third Edition

Prepared in collaboration with the Medical Library Association, this completely updated, revised, and expanded edition lists classic and up-to-the-minute print and electronic resources in the health sciences, helping librarians find the answers that library users seek. Included are electronic versions of traditionally print reference sources, trustworthy electronic-only resources, and resources that library users can access from home or on the go through freely available websites or via library licenses. In this benchmark guide, the authors include new chapters on health information seeking, point-of-care sources, and global health sources. Focus on works that can be considered foundational or essential, in both print and electronic formats. Address questions librarians need to consider in developing and maintaining their reference collections. When it comes to questions involving the health sciences, this valuable resource will point both library staff and the users they serve in the right direction.

Choice

This book is a printed edition of the Special Issue "Vitamin C: Current Concepts in Human Physiology" that was published in *Antioxidants*

Preceptor's Handbook for Pharmacists

Being a preceptor is hard work. Let ASHP help you become a great leader with the new Preceptor's Handbook for Pharmacists, Third Edition, by Lourdes Cuéllar and Diane Ginsburg. You'll quickly get up to speed on helping students and residents prepare to become effective pharmacists and master patient care. This updated guide will show you how to: Integrate pharmacy students and residents into your practice Improve essential communication, teaching, and leadership skills Motivate and challenge students, set expectations, and acknowledge and understand generational issues and perspectives Establish a professional attitude and bearing in your students Develop your students' cultural competency Grasp essential teaching skills fundamental to your students' success Master the administrative detail of being a pharmacy preceptor Understand the skills needed to mentor pharmacy residents and those in fellowships In the changing world of pharmacy practice, the need for effective preceptors to help prepare both students and residents has never been greater. The Preceptor's Handbook for Pharmacists remains the go-to, authoritative resource for both new and experienced pharmacy preceptors. When you are a preceptor, you create a lifelong impact on young pharmacists.

The Washington Manual of Medical Therapeutics

Antimicrobial resistance (AMR) is a biological mechanism whereby a micro-organism evolves over time to develop the ability to become resistant to antimicrobial therapies such as antibiotics. The drivers of and potential solutions to AMR are complex, often spanning multiple sectors. The internationally recognised response to AMR advocates for a 'One Health' approach, which requires policies to be developed and implemented across human, animal, and environmental health. To date, misaligned economic incentives have slowed the development of novel antimicrobials and limited efforts to reduce antimicrobial usage. However, the research which underpins the variety of policy options to tackle AMR is rapidly evolving across multiple disciplines such as human medicine, veterinary medicine, agricultural sciences, epidemiology, economics, sociology and psychology. By bringing together in one place the latest evidence and analysing the different facets of the complex problem of tackling AMR, this book offers an accessible summary for policy-makers, academics and students on the big questions around AMR policy.

The Perspectives of Psychiatry

The WHO Regional Office for Europe has combined its 13 protocols on treatment of and care for people with HIV and AIDS in one volume. The protocols are the cornerstone of the strategic actions that WHO has taken as part of its contribution to achieving the goal of universal access to HIV/AIDS prevention, treatment, care

and support services. The protocols were specifically developed for the entire WHO European Region. Together, they represent a comprehensive and evidence-based tool that offers health professionals clear and specific advice on diagnosing and managing a wide range of health issues related to HIV/AIDS for adults, adolescents and children, including antiretroviral treatment, the management of opportunistic infections, tuberculosis, hepatitis, injecting drug use, sexual and reproductive health, the prevention of mother-to-child HIV transmission, immunization, palliative care and post-exposure prophylaxis. [Ed.]

Introduction to Reference Sources in the Health Sciences, Sixth Edition

Starting in the early 1970s, a type of programmed cell death called apoptosis began to receive attention. Over the next three decades, research in this area continued at an accelerated rate. In the early 1990s, a second type of programmed cell death, autophagy, came into focus. Autophagy has been studied in mammalian cells for many years. The recen

Detection Theory

Launching on Oxford Medicine Online in 2012, with the full-text of eight Mayo Clinic

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Scientific Press (MCSP) print titles and a bank of multiple-choice questions, Mayo Clinic Toolkit provides a single location for resident, fellow, and practicing clinicians to undertake the self-testing necessary to prepare for, and pass, the Boards. The medical management of infectious diseases and antimicrobial therapy can be a daunting task for health care professionals. 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 resource 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. Highlights of The Mayo Clinic Toolkit include: - Each title is presented in an enhanced format, allowing the enlargement and download of all figures and images, and linking to external sources referenced in the text. - The multiple-choice questions are designed to mirror those in the Board exam for realistic preparation; they also link back to the relevant title, and allow the user to measure their development through the recording of practice-exam success. - It can be accessed on a range of internet enabled devices, giving residents, fellows, and practicing clinicians the choice to study in locations which suit them - Subscription lengths range from 1-month to a full year. Combining two complimentary resource types into a single location, with enhancements to the print works, the flexibility to choose where and when to study, and the ability to monitor revision progress,

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Mayo Clinic Toolkit is truly the go-to site for Board preparation.

Surgery

Jones & Bartlett Learning is the Official Print and Mobile Provider of the Johns Hopkins POC-IT Center ABX Guide. Thoroughly revised and updated for 2012, the Johns Hopkins ABX Guide, Third Edition continues to provide current, authoritative and comprehensive information on anti-microbial agents, infectious disease and commonly encountered pathogens, in one portable volume. Written by experts at the world-renowned Johns Hopkins University School of Medicine, this must-have resource features expert recommendations, clinical and diagnostic decision-making tools, and drug-to-drug interactions. Concise, thorough, and current, The Johns Hopkins ABX Guide, Second Edition is designed for quick reference and comprehension. Information is featured in an easy-to-access format that facilitates rapid application of knowledge at the point of care.

2020 Nelson's Pediatric Antimicrobial Therapy

Additional Features Include: --

Johns Hopkins POC-IT Center ABX Guide: Diagnosis &

Treatment of Infectious Diseases

This best-selling and widely used resource on pediatric antimicrobial therapy provides instant access to reliable, up-to-the-minute recommendations for treatment of infectious diseases in children. For each disease, the authors provide a commentary to help health care providers select the best of all antimicrobial choices.

Autophagy

Substantially revised to include a wealth of new material, the second edition of this highly acclaimed work provides a concise, coherent introduction that brings structure to an increasingly fragmented and amorphous discipline. Paul R. McHugh and Phillip R. Slavney offer an approach that emphasizes psychiatry's unifying concepts while accommodating its diversity. Recognizing that there may never be a single, all-encompassing theory, the book distills psychiatric practice into four explanatory methods: diseases, dimensions of personality, goal-directed behaviors, and life stories. These perspectives, argue the authors, underlie the principles and practice of all psychiatry. With an understanding of these fundamental methods, readers will be equipped to organize and evaluate psychiatric information and to develop a confident approach to practice and research.

Lippincott's Illustrated Reviews: Pharmacology

Continuing the tradition of excellence, each chapter has been updated and reformatted for easier access to the information the reader needs. This edition has a two-color design, color tabs for sections, and additional algorithms for diagnosis and treatment.

Campbell's Operative Orthopaedics

Art gallery theorems and algorithms are so called because they relate to problems involving the visibility of geometrical shapes and their internal surfaces. This book explores generalizations and specializations in these areas. Among the presentations are recently discovered theorems on orthogonal polygons, polygons with holes, exterior visibility, visibility graphs, and visibility in three dimensions. The author formulates many open problems and offers several conjectures, providing arguments which may be followed by anyone familiar with basic graph theory and algorithms. This work may be applied to robotics and artificial intelligence as well as other fields, and will be especially useful to computer scientists working with computational and combinatorial geometry.

Why Can't I Get Better?

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This timely guide details, in a highly accessible manner, the pathogenesis, epidemiology, and major complications of catheter-related infections (CRIs) as well as the types of catheters and etiological agents involved-providing practical approaches to the diagnosis, management, and prevention of CRIs.

Johns Hopkins ABX Guide 2012

Kidney Cancer: Principles and Practice is a comprehensive and interdisciplinary textbook that encompasses all clinically relevant aspects of the disease. This new edition has been extensively updated and includes brand new material covering the most recent developments in kidney cancer diagnosis and therapy. The user-friendly and clinically oriented content of the book guarantees that it will be of great interest to a wide range of medical professionals, and every effort has been made to ensure that contributions are both easy to understand and directly related to patient care. Content presentation departs from the usual dense chapter format featuring a lengthy series of paragraphs. Instead, each chapter contains several boxed sections, including one that summarizes essential "take home points" for the busy clinician and another that presents a patient-oriented case highlighting the clinical application of elements discussed in that chapter. In addition, accessible original images, illustrations, and diagrams (some in full color) are used to simplify particularly complex material. This book will be of value for clinicians, researchers, residents, fellows, students, and knowledgeable lay people. The

contributors comprise an international group of authors with expertise in kidney cancer epidemiology, molecular biology, pathology, diagnosis, clinical features, staging, prognostic and predictive factors, surgery, systemic therapy, and emerging investigational approaches, among others.

Antimicrobials

Unrivalled in scope and depth, Campbell's Operative Orthopaedics continues to be the most widely used resource in orthopaedic surgery, relied on for years by surgeons across the globe. It provides trusted guidance on when and how to perform every state-of-the-art procedure that's worth using, with updates to the new edition including hundreds of new techniques, illustrations, and digital diagnostic images to keep you abreast of the latest innovations. Each chapter follows a standard template, with highlighted procedural steps that lead with art and are followed by bulleted text. Covers multiple procedures for all body regions. In-depth coverage helps you accommodate the increasing need for high-quality orthopaedic care in our aging population. Achieve optimal outcomes with step-by-step guidance on today's full range of procedures, brought to you by Drs. Canale, Beaty, and Azar, and many other contributors from the world-renowned Campbell Clinic. Includes approximately 100 new techniques, 300 new illustrations, and 500 new or updated photos and high-quality digital diagnostic images. Features evidence-based surgical coverage wherever possible to aid in making informed

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clinical choices for each patient. Highlights the latest knowledge on total joint arthroplasty in the ambulatory surgery center, including how to manage metal sensitivity. Provides up-to-date details on rib-based distraction implants (VEPTR) and remote-controlled growing rods (MAGEC) for scoliosis; diagnosis of femoroacetabular impingement (FAI) and its influence on development of osteoarthritis; and the treatment of FAI with the mini-open direct anterior approach. Lavish art program is consistent throughout the 4 volumes, providing a fresh, modern look.

Atlas of Operative Oral and Maxillofacial Surgery

The Johns Hopkins POC-IT Center ABX Guide, Second Edition continues to provide current, authoritative, comprehensive information on anti-microbial agents, infectious diseases, and commonly-encountered pathogens in one portable volume. Written by experts at the world-renowned Johns Hopkins University School of Medicine, this must-have resource features expert recommendations, clinical and diagnostic decision-making tools, and drug-to-drug interactions. Concise, thorough, and current, The Johns Hopkins ABX Guide, Second Edition is designed for quick reference and comprehension. Information is featured in an easy-to-access format that facilitates rapid application of knowledge at the point of care. Jones & Bartlett Learning is the Official Print and Mobile Provider of the Johns Hopkins ABX Guide.

14th Nordic-Baltic Conference on Biomedical Engineering and Medical Physics

Reports on the emergence and prevalence of resistant bacterial infections in hospitals and communities raise concerns that we may soon no longer be able to rely on antibiotics as a way to control infectious diseases. Effective medical care would require the constant introduction of novel antibiotics to keep up in the “arms race” with resistant pathogens. This book closely examines the latest developments in the field of antibacterial research and development. It starts with an overview of the growing prevalence of resistant Gram-positive and Gram-negative pathogens, including their various resistance mechanisms, prevalence, risk factors and therapeutic options. The focus then shifts to a comprehensive description of all major chemical classes with antibacterial properties, their chemistry, mode of action, and the generation of analogs; information that provides the basis for the design of improved molecules to defeat microbial infections and combat the emerging resistances. In closing, recently developed compounds already in clinical use, those in preclinical or first clinical studies, and a number of promising targets to be exploited in the discovery stage are discussed.

Johns Hopkins POC-IT Center ABX Guide: Diagnosis & Treatment of Infectious Diseases

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Lippincott Illustrated Reviews: Pharmacology, Sixth Edition, is the updated, enhanced version of the student-favorite resource for essentials of medical pharmacology. The first-and-best resource, the Lippincott Illustrated Reviews series features clear, effective writing and hundreds of illustrations for ideal rapid review and the assimilation of complex information. Clear, sequential images present mechanisms of action and focus on showing rather than telling students how drugs work. New edition features: All NEW chapters on Drugs of Abuse, Drugs for Obesity, Antihistamines, Drugs for Urologic Disorders, Drugs for Hematopoietic Disorders, Drugs for Dermatological Disorders, and Drugs for Bone Disorders Over 380 study questions! Nearly 600 annotated, full-color illustrations visually explain complex processes! Outline format ideal for concise review and foundational learning

Buyer's Guide and Web Site Directory

A groundbreaking reference about diagnosing Lyme disease and chronic illness traces the heated debate that has prevented patients from obtaining adequate care, outlining the author's plan for identifying and treating chronic illness using methods for promoting best-possible outcomes.

Vitamin C: Current Concepts in Human Physiology

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Diabetes Head to Toe is an invaluable resource for anyone living with diabetes. It includes everything you should know about the disease—straight from the experts. The authors, all doctors who specialize in diabetes care, offer simple explanations and essential advice on all things diabetes. Accessible and concise, Diabetes Head to Toe presents information at a glance, with conversational prose and easy-to-digest bullet points. Each chapter begins with a short introduction and includes helpful sections on "What You Need to Know" and "What Does It All Mean?" Other notable features include "Tips," "Myths and Facts," and frequently asked questions. In addition to defining medical concepts in everyday language while tackling core topics, such as patient dietary needs and lifestyle changes, this book contains unique coverage of • how to prevent and diagnose diabetes • the many complications—head to toe—that people with diabetes can develop • diabetes in diverse populations, including children and adults • new treatments for diabetes and how they work • common interactions between diabetes medications and other drugs • medical conditions that occur more frequently in people with diabetes, including eye disease, heart disease, kidney problems, depression, nerve damage, and sexual problems • cutting-edge diabetes technologies and the costs, benefits, and limitations of various devices • legal considerations that everyone with diabetes should keep in mind More than 50 illustrations illuminate key points, while a two-color format allows readers to quickly identify the information they are seeking. Aimed at people with diabetes, family members, teachers, physicians,

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nurses, dietitians, pharmacists, specialists, and anyone else who cares about the health of diabetes patients, this up-to-date book will help readers recognize the early warning signs before diabetes-related difficulties arise, ensuring a long, healthy life. Silver Winner of the 2019 Benjamin Franklin Awards (Health & Fitness) of the Independent Book Publishers Association.

Guide to Antimicrobial Therapy

Trauma is a leading cause of death and disability around the world, and the leading cause of death in those aged under forty-five years. Conditions such as airway obstruction, hemorrhage, pneumothorax, tamponade, bowel rupture, vascular injury, and pelvic fracture can cause death if not appropriately diagnosed and managed. This essential book provides emergency physicians with an easy-to-use reference and source for traumatic injury evaluation and management in the Emergency Department. It covers approaches to common, life-threatening, and traumatic diseases in the Emergency Department, for use on shift and as a reference for further learning. Each chapter includes a succinct overview of common traumatic injuries, with evaluation and management pearls and pitfalls. Highly illustrated with images from one of the busiest trauma centers in the US, and featuring expert contributions from a diverse set of attending physicians, this is an essential text for all emergency medicine practitioners.

The Emergency Medicine Trauma Handbook

This book provides an introduction to the mathematics needed to model, analyze, and design feedback systems. It is an ideal textbook for undergraduate and graduate students, and is indispensable for researchers seeking a self-contained reference on control theory. Unlike most books on the subject, Feedback Systems develops transfer functions through the exponential response of a system, and is accessible across a range of disciplines that utilize feedback in physical, biological, information, and economic systems. Karl Åström and Richard Murray use techniques from physics, computer science, and operations research to introduce control-oriented modeling. They begin with state space tools for analysis and design, including stability of solutions, Lyapunov functions, reachability, state feedback observability, and estimators. The matrix exponential plays a central role in the analysis of linear control systems, allowing a concise development of many of the key concepts for this class of models. Åström and Murray then develop and explain tools in the frequency domain, including transfer functions, Nyquist analysis, PID control, frequency domain design, and robustness. They provide exercises at the end of every chapter, and an accompanying electronic solutions manual is available. Feedback Systems is a complete one-volume resource for students and researchers in mathematics, engineering, and the sciences. Covers the mathematics needed to model, analyze, and design feedback systems Serves as an introductory textbook for students and a self-contained resource for

researchers Includes exercises at the end of every chapter Features an electronic solutions manual Offers techniques applicable across a range of disciplines

The Psychiatry of AIDS

HIV/AIDS has become a psychiatric epidemic. The disease causes or exacerbates such psychiatric disorders as depression, dementia, schizophrenia, and bipolar disease. At the same time, the presence of a psychiatric disorder can lead to increased risk for HIV infection and worsen the prognosis of patients once they are infected. Dr. Glenn J. Treisman, who has been described as the "father of AIDS psychiatry," describes the relationship between psychiatric disorders and HIV/AIDS and demonstrates the ways in which effective recognition and treatment of mental disorders can increase a patient's ability to obtain better treatment, improve compliance with medical regimens, and reduce incidents of high-risk behavior. The book provides HIV/AIDS professionals with overviews of psychiatric disorders, including mood and personality disorders, mental retardation, substance abuse and addiction, and sexual disorders and dysfunction. It also provides mental health professionals with essential information on how to care for patients with HIV and those at risk for the infection. The book discusses psychopharmacology, psychotherapy and counseling, as well as adherence and compliance issues, and the relationship between psychiatric disorders and other STDs. Containing the most up-to-date information on diagnosis, prognosis, and treatment, this book

draws on the authors' unrivaled experience and uses case studies to show HIV/AIDS professionals how psychiatric interventions benefit the patient, the medical team, and society as a whole. The cases are rich and engaging, and convey to the reader the intense disorder that can affect the lives of patients.

Challenges to Tackling Antimicrobial Resistance

MLA News

Detection Theory is an introduction to one of the most important tools for analysis of data where choices must be made and performance is not perfect. Originally developed for evaluation of electronic detection, detection theory was adopted by psychologists as a way to understand sensory decision making, then embraced by students of human memory. It has since been utilized in areas as diverse as animal behavior and X-ray diagnosis. This book covers the basic principles of detection theory, with separate initial chapters on measuring detection and evaluating decision criteria. Some other features include: *complete tools for application, including flowcharts, tables, pointers, and software; *student-friendly language; *complete coverage of content area, including both one-dimensional and multidimensional models; *separate, systematic coverage of sensitivity and

response bias measurement; *integrated treatment of threshold and nonparametric approaches; *an organized, tutorial level introduction to multidimensional detection theory; *popular discrimination paradigms presented as applications of multidimensional detection theory; and *a new chapter on ideal observers and an updated chapter on adaptive threshold measurement. This up-to-date summary of signal detection theory is both a self-contained reference work for users and a readable text for graduate students and other researchers learning the material either in courses or on their own.

Critical Care Nursing Secrets

Developed to provide nurse clinicians with a resource for the management of adult critical care patients, Mosby's Critical Care Nursing Reference condenses the most essential information needed by nurses working in the ICU. This valuable, pocket-sized reference provides information on broad topics that apply to a variety of critically ill patients, as well as detailed information on organ diseases. Chapters are dedicated to psychosocial concerns, complementary therapies, and the unique needs of a pediatric patient in an adult ICU. Therapeutic modalities and pharmacology are both examined, with information that is useful for the student, the new nurse, and the experienced professional. (Midwest).

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