Kevzara Instructions For Use

NEWTON ROBERTS

Good Pharma Elsevier Health Sciences
Strategies to reduce medical uncertainty and build evidence have become critical to the advancement of medical knowledge and modern medical practice. As new techniques and strategies have arisen, so has the need for a current reference work. Drug Discovery and Design examines the latest research in the development of these new strategies. Some of the topics covered include angiotensin converting enzyme inhibitors, HIV protease inhibitors, PPAR agonists for diabetes, and glucan synthase antifungal agents.
Cytokine Inhibitors Lippincott Williams & Wilkins
Over 1,000 generic name drugs, encompassing over 4,000 trade name drugs, are organized alphabetically with A-to-Z tabs for quick and easy access. Detailed information for each drug distinguishes side effects and adverse reactions to help you identify which are most likely to occur. Highlighting of high-alert drugs helps promote safe administration of drugs that pose the greatest risk for patient harm; an appendix includes drug names that sound alike or look alike. UNIQUE! Herbal information is included in the appendix and on the Evolve companion website, covering the interactions and effects of commonly encountered herbs. Classifications section features an overview of actions and uses for drug families. Top 100 Drugs list helps you easily identify the most frequently administered drugs. Nursing considerations are organized in a functional nursing process framework and include headings for baseline assessment, intervention/evaluation, and patient/family teaching. Information on lifespan and disorder-related dosage variations equips you with special considerations for pediatric, geriatric, hepatic, and immune- or renal-compromised patients. Extensive IV content features IV compatibilities/IV incompatibilities and breaks down key information with headings on reconstitution, rate of administration, and storage. Fixed combinations are included in dosages of each combined drug directly within the individual monographs, to help you understand different drug dose options for specific diseases. Cross-references to the 400 top U.S. brand-name drugs are located throughout the book for easy access. Customizable and printable monographs for 100 of the most commonly used drugs are located on Evolve, along with quarterly drug updates. Therapeutic and toxic blood level information promotes safe drug administration. Comprehensive IV Compatibility Chart foldout arms you with compatibility information for 65 intravenous drugs. List of newly approved drugs in the front of the book makes it easy to locate the latest drugs. Callouts in a sample drug monograph highlight key features to help you understand how to use the book more efficiently.
Studies on Hepatitis Viruses Elsevier
This two-volume set provides a comprehensive guide to the essential aspects of commercial biopharmaceutical manufacturing. Covering the planning, layout and operation of successful commercial manufacturing, the aim of the books is to enable innovations, new drug development, and make affordable biological drugs available to patients worldwide. This volume covers the unit processes involved in producing a GMP (Good Manufacturing Practice) biopharmaceutical product, laid out in the order of operation, with complete details on equipment, compliance and yield improvement suggestions. The unit processes described include several emerging trends and advice on reducing the costs of the product and efficient scale up techniques. Intended for practitioners in the commercial biopharmaceutical manufacturing industry, the text is an ideal resource for practitioners looking to develop their ability to manufacture biopharmaceutical

products at a large scale. Key Features: Covers the essential aspects of commercial biopharmaceutical manufacturing for industry practitioners, including the planning, layout and operation Provides sufficient information for industry practitioners to establish and operate GMP (Good Manufacturing Practice) compliant manufacturing operations Includes case studies and step-by-step procedures for manufacturing specific biopharmaceutical products Focused exclusively on products intended for human use Includes coverage of regulatory requirements, intellectual property challenges, training of manufacturing teams and issues around cost optimisation

Therapeutic Monoclonal Antibodies Springer Publishing Company

Today, the pressure on healthcare costs and resources is increasing, and especially for biopharmaceuticals that require parenteral administration, the inherent complex and invasive dosing procedure adds to the demand for efficient medical management. In light of the COVID-19 pandemic the value of drug delivery technologies in enabling a flexible care setting is broadly recognized. In such a setting, patients and their caregivers can choose the place of drug administration based on individual preferences and capabilities. This includes not only dosing in the clinic but also supervised at-home dosing and self-administration for eligible patients. Formulation and Device Lifecycle Management of Biotherapeutics: A Guidance for Researchers and Drug Developers covers the various aspects of improving drug delivery of biological medicines with the ultimate goal to reduce dosing complexity associated with parenteral administration and, thus, enhance patient experience and drug administration-related healthcare capacity. The target audience are multidisciplinary researchers and drug developers in the pharmaceutical industry, biotech companies, and academia involved in formulation and device development. This includes pharmacology and medical experts in charge of generating nonclinical and clinical data to support approval of novel dosing regimens, and drug delivery scientists and engineers responsible for technical particulars of product optimizations. Moreover, professionals in market access and commercial functions are expected to benefit from the discussions about the impact of patient and healthcare provider needs and country-specific reimbursement models on realizing a truly convenient and cost and resource efficient drug delivery solution. Summarizes formulation and device lifecycle management activities that enable customer-centric and sustainable drug delivery for biotherapeutics Describes the pharmacokinetic-based clinical development pathway for subcutaneous dosing alternatives to established intravenous formulations for monoclonal antibodies Details established clinical development pathways supporting the approval of automated subcutaneous injection devices and proposes novel concepts Discusses how to realize home- and self-administration of biotherapeutics in cancer care Highlights aspects of multidisciplinary formulation and device lifecycle management that can be leveraged across different disease areas and introduces a decision architecture on when and how drug developers should embark into related development activities

The Bifidobacteria and Related Organisms Karger Medical and Scientific Publishers

Most endocrine diseases, if not treated or controlled, have cardiovascular manifestations. Both GH deficiency and GH excess impair cardiovascular functions, e.g. in patients with acromegaly, who have a shortened life expectancy and increased mortality mostly due to cardiovascular complications in uncontrolled disease. Moreover, Cushing’s syndrome and diabetes are well known for metabolic and cardiovascular manifestations, as well as hypo- and hyperthyroidism. Both adipose tissue and the heart have been increasingly recognized as organs with partially endocrine functions, which produce adipokines and brain natriuretic peptide, respectively, and influence a number of cardiovascular parameters. Primary aldosteronism as a cause for secondary hypertension is still a great challenge to detect and diagnose properly; however, new important discoveries have been made regarding the genetics of this probably underestimated cause of hypertension. Written by distinguished researchers in their respective fields, this book will give both researchers and clinicians an excellent update on all these topics, as well as provide insight into the use of hormones as treatment tools in more controversial areas.

The Prevention and Treatment of Missing Data in Clinical Trials Springer

Formulation and Device Lifecycle Management of BiotherapeuticsAcademic Press

Nursing2021 Drug Handbook Elsevier Health Sciences

Chronic graft versus host disease (GVHD) is the most common complication of allogenic bone marrow transplantation. Because of the protracted clinical course of chronic GVHD, transplant centers and hematology/oncology offices are inadequately equipped to manage these immuno-incompetent patients with a multi-system disorder. Practitioners need to be able to recognize and effectively manage chronic GVHD as a late effect of more than half of allogenic transplantations. The text is oriented for the clinician, with chapters covering staging, organ site and system-specific manifestations, treatment options, and supportive care. Drs Georgia B. Vogelsang and Steven Z. Pavletic have been pioneers in the recognition of the multi-organ complexity of this disease and have gathered the input of a variety of subspecialist physicians for this book. This book fills the gap in practical literature on chronic GVHD, providing a comprehensive, up-to-date, and clinically relevant resource for anyone who deals with cancer patients post-transplant.

Saunders Nursing Drug Handbook 2019 E-Book CRC Press

Over 1,000 generic name drugs (encompassing over 4,000 trade name drugs) are organized alphabetically with A to Z tabs to make accessing important information quick and easy. Detailed information for each drug distinguishes side effects and adverse reactions to help you identify which are most likely to occur. Special text treatment for high-alert drugs that pose the greatest risk for patient harm, as well as an appendix for drug names that sound alike and look alike, help promote safe drug administration. UNIQUE! Frequently-used herb monographs and herb interactions keep you informed of the effects of commonly encountered herbs.Classifications s ection features an overview of actions and uses for drug families.T op 100 Drugs list helps you easily identify the most frequently administered drugs.N ursing implications are organized in a functional nursing process framework and include headings for Baseline Assessment, Intervention/Evaluation, and Patient/Family Teaching. Information on lifespan and disorder-related dosage variations equips you with special considerations for pediatric, geriatric, hepatic, and immune-or renal-compromised patients. Extensively expanded IV content features a heading for IV compatibilities and expanded rates of infusion, reconstitutions, drip rates, test doses, flushing, and incompatibilities. Fixed combinations are included in dosages of each combined drug directly within the individual monographs to help you understand different drug dose options for specific diseases. Cross-references to the 400 top U.S. brand-name drugs are located directly in the main section of the book for easier accessibility. Customizable and printable monographs for 100 of the most commonly used drugs and quarterly drug updates are located on the free Evolve companion site. Therapeutic and toxic blood level information shows students the patient implications for drug administration. Comprehensive IV Compatibility Chart foldout arms you with compatibility information for 65 intravenous drugs. Newly approved drugs are listed in the front of the book for quick and easy access to this timely information. Highlights the features of a sample drug monograph with callouts to help you understand how to use the book more efficiently.

Primer on the Rheumatic Diseases Oxford University Press

This long overdue title provides a comprehensive, up-to-date, state-of-the art review of approved biologic therapies, with coverage of mechanisms of action, Indications for therapy, immunogenicity and a detailed examination of adverse effects and safety of the many and diverse therapeutic agents presented in a total of 13 chapters. It is predicted that by 2016, biologics will make up half of the world's 20 top-selling drugs and by 2018, biologic medicine sales will account for almost half of the world's 100 biggest selling drugs. Recombinant proteins dominate the growing list of the more than 200 approved biotherapeutic agents with targeted antibodies, fusion proteins and receptors; cytokines; hormones; enzymes; proteins involved in blood-clotting, homeostasis and thrombosis; vaccines; botulinum neurotoxins; and, more recently, biosimilar preparations, comprising the majority of approved biologics. Written with clinicians, other health care professionals, and researchers in mind, Safety of Biologics Therapy examines, in a single volume, the full range of issues surrounding the safety of approved biologic therapies. A good understanding of the risks and safety issues of modern biologics therapy is increasingly being demanded of all those connected with their development, handling, prescribing, administration and subsequent patient management. In addition to being of great value to clinicians in all branches of medicine, and to nurses, pharmacists and researchers, this book will prove invaluable for students taking undergraduate and graduate courses in the above disciplines and in the biomedical sciences.

Formulation and Device Lifecycle Management of Biotherapeutics Academic Press

Still THE #1 Drug Guide for nurses and other clinicians, always dependable, always up to date! Look for these outstanding features: Completely updated nursing-focused drug monographs featuring over 3,700 generic, brand-name, and combination drugs in an easy A-to-Z format NEW 34 brand-new FDA-approved drugs in this edition, including 31 complete monographs—tabbed and conveniently grouped in a handy “new drugs” section for easy retrieval NEW More than 8,100 clinical updates —new dosages and indications, Black Box warnings, adverse reactions, nursing considerations, clinical alerts, and patient teaching information NEW ISMP-recommended tall-man lettering for lookalike–sound alike drugs Special focus on U.S. and Canadian drug safety issues and concerns Photoguide insert with images of 455 commonly prescribed tablets and capsules Plus FREE companion Toolkit available online through NDHnow.com Monthly FDA updates featuring newly approved drugs, indications, and warnings Pharmacology videos, audio pronunciation guide, and English-Spanish translator Equianalgesic dosing guidelines for opioid drugs Mechanisms and sites of action graphics for selected drugs NCLEX® style questions, free CE tests, plus bonus discounts and more!

Chronic Graft Versus Host Disease Springer

Medicine has entered a golden age in which therapeutic agents are becoming widely available due to advances in basic science and technology. As such, many drugs have been developed that target inflammatory processes and/or the immune system. This book is intended for health professionals examining the modulation of inflammation by immunotherapeutic drugs. The immune system fills the primordial role of host defense and resistance to infections with pathogenic microorganisms. Several hematopoietic-derived cells constituting the innate and adaptive immune systems cooperate to provide barriers for microbial colonization and/or promote pathogen destruction within the host. Conversely, many immune cells are also involved in the pathogenesis and propagation of chronic inflammatory diseases. The beginning of this book details various components of the immune system including the cell types, lymphoid tissues, soluble cytokines and surface molecules that are essential for host defense. Breakdowns in immune tolerance, or dysregulated immune responses to antigens derived from self tissues or innocuous sources, can lead to the development of autoimmunity or chronic inflammatory diseases. Pathophysiologic roles for the immune system are detailed in corresponding chapters on autoimmunity, epithelial surfaces (lungs, skin, intestine), and transplantation, with special emphasis placed on immunotherapeutic drug targets. The last section of the book focuses on treatments that stimulate our immune system to specifically target and fight infectious diseases and cancer. In each chapter, the medications used to treat various diseases/conditions in terms of their mechanism of action and other pharmacologic properties are detailed. Chapters begin with a table showing drug names and classifications. The importance of basic science and clinical trials cannot be understated in the context of drug development. As such, the discovery of certain medications that had a lasting impact in medicine and pharmacy are highlighted in chapter subsections named “Bench to Bedside.” Several clinical applications of immunotherapeutic drugs are described within end-of -chapter case studies including practice questions. The Pharmacology of Immunotherapeutic Drugs is a reference for immunologists and clinicians (medical doctors, pharmacists, nurses) examining the modulation of inflammatory processes by a variety of medications targeting the cells and mediators of our immune system.

Eve’s Herbs Karger Medical and Scientific Publishers

Studies on Hepatitis Viruses: Life Cycle, Structure, Functions, and Inhibition presents the latest on this systemic infection that predominantly affects the liver with inflammation that can be acute or chronic. Hepatitis viruses have been the subject of intense study in the last twenty years, with a wealth of information related to their lifecycle, structure, functions and inhibition being presented. This book compiles the most important developments and research, giving users a very useful guide on this evolving area of virology and medicinal chemistry. Provides comprehensive, state-of-the-art coverage of hepatitis virus infections, the virus' lifecycle, and mechanisms of protease inhibition Analyzes structure-activity relationships of inhibitors of viral hepatitis Presents an in-depth view of the structure and function of viral hepatitis Discusses classification, epidemiology, pathogenesis, natural history, clinical manifestations, diagnosis, complications, associated disorders and animal models

Kelley's Textbook of Rheumatology Formulation and Device Lifecycle Management of Biotherapeutics

This volume discusses the background and various clinical applications of radiation therapy in the treatment of non-malignant diseases. It documents the radiobiological and physical principles of treatment and the rationale underlying the use of radiotherapy for various disorders of the CNS, head and neck, eye, skin and soft tissues, bone and joints, and vascular system. In so doing, it draws attention to and elucidates the scope for application of radiotherapy beyond the treatment of malignancies. Both the risks and the benefits of such treatment are fully considered, the former ranging from minor clinical problems to life-threatening diseases.

Cardiovascular Issues in Endocrinology Academic Press

Botulinum toxins now play a very significant role in the management of a wide variety of medical

conditions; from headaches to hypersalivation, and from spasticity to sweating. In this book, a strong, international team of experts outline the basic neurochemistry of botulinum toxins and chart the progress of the drug from laboratory to clinic. Then individual chapters summarize their use for the main clinical indications in the context of other available treatments. This book will be of interest to neuroscientists and practising clinicians working in a wide range of specialities, from neurology and dermatology to pediatrics, plastic surgery and rehabilitation medicine.

Safety of Biologics Therapy Lippincott Williams & Wilkins

Randomized clinical trials are the primary tool for evaluating new medical interventions. Randomization provides for a fair comparison between treatment and control groups, balancing out, on average, distributions of known and unknown factors among the participants. Unfortunately, these studies often lack a substantial percentage of data. This missing data reduces the benefit provided by the randomization and introduces potential biases in the comparison of the treatment groups. Missing data can arise for a variety of reasons, including the inability or unwillingness of participants to meet appointments for evaluation. And in some studies, some or all of data collection ceases when participants discontinue study treatment. Existing guidelines for the design and conduct of clinical trials, and the analysis of the resulting data, provide only limited advice on how to handle missing data. Thus, approaches to the analysis of data with an appreciable amount of missing values tend to be ad hoc and variable. The Prevention and Treatment of Missing Data in Clinical Trials concludes that a more principled approach to design and analysis in the presence of missing data is both needed and possible. Such an approach needs to focus on two critical elements: (1) careful design and conduct to limit the amount and impact of missing data and (2) analysis that makes full use of information on all randomized participants and is based on careful attention to the assumptions about the nature of the missing data underlying estimates of treatment effects. In addition to the highest priority recommendations, the book offers more detailed recommendations on the conduct of clinical trials and techniques for analysis of trial data.

Snake Oil Science Springer Science & Business Media

In many areas of medicine physicians still face the great challenge of finding therapies that will meet the patients' needs. In dermatology the challenge has arisen on multiple fronts through advances in the understanding of the immunopathogenesis of many inflammatory and malignant cutaneous disorders. Breakthroughs, combined with significant developments in targeted immunotherapy, have resulted in improved outcomes as these newer therapies are being used for both approved indications and as off-label therapies for various chronic inflammatory skin disorders and many forms of skin cancer. In the expectation that by truly understanding the safety profile of these targeted therapies patients' outcomes will be significantly improved, this book offers insights into topics such as adverse reactions, infectious complications and the perioperative use of biologics in psoriasis, immunogenicity of biologic therapies, paradoxical reactions, safety of biologics used to treat autoimmune bullous diseases and primary cutaneous lymphomas, adverse reactions and skin manifestations of therapies targeting melanoma and non-melanoma skin cancer and other neoplastic diseases. Eminent researchers with extensive clinical experience have contributed to this publication, providing an in-depth overview of the latest knowledge in this field.

Disaster and Development Cambridge University Press

The Paradox of the Immune System: Protection, Inflammation, Autoimmune Disease and Beyond provides a provocative approach to immunology as a "double-edged sword." While it is our greatest protector, it is also the cause of chronic inflammation that leads to autoimmune disease, cancer and infectious diseases like COVID-19. Sections cover the basic science of immunology and its intimate genetic associations, biomedical hypotheses asserting immunology as the basis of all human diseases, and elaborate on immunology as "the enemy within us." This engaging, original approach to a science so personal provides new and invaluable understanding on the bioscience that controls our lives. Written in an expository style that allows for maximum understanding of the complex science presented Presents the unfolding of immunology from a natural (innate) system into an adaptive system leading to chronic inflammation and ultimate disease Provides readers with a unique perspective on health, wellness and disease

Systemic Autoinflammatory Diseases-Clinical Rheumatic Challenges Frontiers Media SA

Compiling an up-to-date and detailed survey of the role cytokines play in cell-to-cell communication, development, and differentiation, this comprehensive reference highlights the medical advantages of cytokine inhibition and pursues novel methods of discovery for more potent and specific blocking agents. Investigates the pathogenic role of

National Strategy for the COVID-19 Response and Pandemic Preparedness Springer

Investigations of the activation, proliferation, and, in some cases, differentia tion of mononuclear cells involved in the immune response are proceeding rapidly. These studies have resulted in the discovery of several factors that promote these cellular events, some of which have been characterized biochemically to various extents. Because of the considerable interest in understanding these cellular changes at the molecular level, we chose to produce the first thematic volume for Contemporary Topics in Molecular Immunology; the theme deals with certain regulatory factors that promote proliferation and differentiation. We have com piled contributions from numerous scientists well known for their work with several regulatory factors. In the following paragraphs, the reader will find an overview of the contents of this volume. Greene and Robb review data they have generated over the past 2-3 years with respect to characterization of hormone-specific Interleukin-2 (IL-2) recep tors on the surface of activated T cells. Their chapter traces the development of a quantitative assay for assessment of IL-2 receptors based on the preparation and use of radiolabeled IL-2 prepared biosynthetically with the aid of IL-2-pro ducer leukemic cells. The authors then describe an alternate approach, the prep aration of a monoclonal antibody previously determined to be directed against a T -cell-activation antigen. This so-called anti-Tac antibody was later found to recognize a determinant on or near the IL-2 receptor.

Immunologic Concepts in Transfusion Medicine Springer Nature

With essential information on more than 1,000 generic and 4,000 trade name drugs, Saunders Nursing Drug Handbook 2019 is the go-to guide for students and nurses alike. The 2019 edition is organized alphabetically by generic drug name for quick and easy access and includes over 270 updates to Black Box Alerts. This user-friendly format also includes comprehensive coverage of IV drug administration, nursing considerations, and fixed combinations. To promote better patient care, it uniquely guides you through clinical priorities in the practice setting and is organized alphabetically by generic drug name for quick reference. Plus, new drug monographs cover approximately 33 newly approved drugs by the FDA; and thoroughly updated monographs include new interactions, precautions, and alerts. Over 1,000 generic name drugs (encompassing over 4,000 trade name drugs) are organized alphabetically with A to 2Z tabs to make accessing important information quick and easy. Detailed information for each drug distinguishes side effects and adverse reactions to help you identify which are most likely to occur. Special text treatment for high-alert drugs that pose the greatest risk for patient harm, as well as an appendix for drug names that sound alike and look alike, help promote safe drug administration. UNIQUE! Frequently-used herb monographs and herb interactions keep you informed of the effects of commonly encountered herbs. Classifications section features an overview of actions and uses for drug families. Top 100 Drugs list helps you easily identify the most frequently administered drugs. Nursing implications are organized in a functional nursing process framework and include headings for Baseline Assessment, Intervention/Evaluation, and Patient/Family Teaching. Information on lifespan and disorder-related dosage variations equips you with special considerations for pediatric, geriatric, hepatic, and immune- or renal-compromised patients. Extensively expanded IV content features a heading for IV compatibilities and expanded rates of infusion, reconstitutions, drip rates, test doses, flushing, and incompatibilities. Fixed combinations are included in dosages of each combined drug directly within the individual monographs to help you understand different drug dose options for specific diseases. Cross-references to the 400 top U.S. brand-name drugs are located directly in the main section of the book for easier accessibility. Customizable and printable monographs for 100 of the most commonly used drugs and quarterly drug updates are located on the free Evolve companion site. Therapeutic and toxic blood level information shows you the patient implications for drug administration. Comprehensive IV Compatibility Chart foldout arms you with compatibility information for 65 intravenous drugs. Newly approved drugs are listed in the front of the book for quick and easy access to this timely information. A sample drug monograph with callouts helps you understand how to use the book more efficiently.