Handbook Of Pharmaceutical Excipients 8th Edition

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Farquharson's Textbook of Operative Surgery - Eric Leslie Farquharson 1978

Stockley's Drug Interactions - Karen Baxter 2010
Stockley's Drug Interactions, now fully revised and revalidated, remains the world's most comprehensive and authoritative reference book on drug interactions and provides the busy healthcare professional with quick and easy access to clinically relevant, evaluated and evidence-based information on drug interactions. Contains detailed yet concise monographs: covers interactions between therapeutic drugs, proprietary medicines, herbal medicines, foods, drinks, pesticides and drugs of abuse; based on published sources and fully referenced; provides comprehensive details of the clinical evidence for the interactions under discussion, an assessment of their clinical importance and gives clear guidance on how to manage the interaction in practice; contains over 3,400 monographs; New drugs launched in the last two years added - including drugs such as fesoterodine, several monoclonal antibodies, new antidiabetics (e.g. sitagliptin) new antineoplastics (e.g. dasatinib) and new immunosuppressants (e.g. temsirolimus); updated information on seasonal flu vaccines and antivirals, including all available information on possible interactions with concurrent medication; increased commentary on the involvement of newer mechanisms in drug interactions, such as drug transporter proteins, and other genetic factors that affect the ability of individuals to metabolise medicines.

Handbook of Pharmaceutical Manufacturing Formulations - Safaraz K. Niazi 2016-04-19
No other area of regulatory compliance receives more attention and scrutiny by regulatory authorities than the regulation of sterile products, for obvious reasons. With the increasing number of potent products, particularly the new line of small protein products, joining the long list of proven sterile products, the technology of manufacturing ster

Aulton's Pharmaceutics E-Book - Michael E. Aulton 2017-08-26
From a review of the previous edition: ‘For all the pharmacy students out there part of your pharmacy degree will be to study formulation design and pharmaceutics. This is the holy grail of pharmaceutical technology books. The text reads well and introduces difficult concepts in a more easy-to-understand way, it is definitely worth the money to help you get through the module, if you’re doing a research project in pharmaceutical design then this would also be an excellent buy...This is essential for passing exams and developing professional competence.’ This is the best known text on pharmaceutics. Its strength lies mainly in being a complete course in one book. Reviewers consistently praise its comprehensiveness and its extremely high quality-quality content. Pharmaceutics is one of the most diverse subject areas in pharmaceutical science and an understanding of it is vital for all pharmacists and scientists involved in converting drugs to medicines that can be safely delivered to a patient. The editorial and author team deliver a tour de force of accessibility, coverage and currency in this new edition of a world-class textbook. Relevant chemistry covered throughout Reflects current and future use of biotechnology products throughout Covers ongoing changes in our understanding of biopharmaceutics, certain areas of drug delivery and the significance of the solid state Includes the science of formulation and drug delivery Designed and written for newcomers to the design of dosage forms Key points boxes throughout Summaries at the end of each chapter Fully updated throughout, with particular focus on delivery of biopharmaceuticals, nanotechnology and nanomedicines, parenteral and ocular drug delivery mechanisms. Now comes with online access on StudentConsult.

Comprehensive Pharmacy Review - Leon Shargel 2012-10-01
n In this completely updated 8th edition, Comprehensive Pharmacy Review for NAPLEX provides a complete knowledge base necessary for pharmacy students, instructors, foreign graduates, and professionals to excel in their practices--and be fully equipped to tackle the NAPLEX competency test. Updated to conform with USP 797 regulations, the text provides expanded coverage of ever-developing areas of practice, including pain management, hepatic disorders, migraines, women's health, prescription dermatologic agents, geriatrics, and pediatrics. More than 60 print and online chapters--spanning chemistry, pharmaceutics, pharmacology, pharmacy practice, and drug therapy--are presented in outline form for easy use and offer helpful practice questions to aid your study. Comprehensive Pharmacy Review provides guidelines and tips for taking the NAPLEX, along with the NAPLEX blueprint. Furthermore, it lists the actual competency statements that the National Association of Boards of Pharmacy (NABP) uses in evaluation.

Secrets of Methamphetamine Manufacture - Fester 2002
This title is out of print as of 03/02/2005. A new revised and updated edition: Secrets of Methamphetamine Manufacture, 7th Edition, will be available as of 03/08/2005.

HANDBOOK OF PHARMACUETICAL EXCIPIENTS 9E - PAUL SHESKEY 2020-10-19

Pharmaceutical Excipients 2001 - Pharmaceutical Press 2001-12-01

Pharmaceutical Compounding and Dispensing - John F. Marriott 2010
Pharmacists have been responsible for compounding medicines for centuries. Although most modern medicines are not compounded in a local pharmacy environment, there are still occasions when it is imperative that pharmacists have this knowledge. Pharmaceutical Compounding and Dispensing provides a comprehensive guide to producing extemporaneous formulations safely and effectively. This is a modern, detailed and practical guide to the theory and practice of extemporaneous compounding and dispensing. Fully revised and updated, this new edition will be an indispensable reference for pharmacy students and practicing pharmacists. Supplementary videos demonstrating various dispensing procedures can be viewed online at www.pharmpress.com/PCDvideos.

Handbook of Formulating Dermal Applications - Nava Dayan 2016-12-07
The conceptualization and formulation of skin care products intended for topical use is a multifaceted and evolving area of science. Formulators must account for myriad skin types, emerging opportunities for product development as well as a very temperamental retail market. Originally published as "Apply Topically" in 2013 (now out of print), this reissued detailed and comprehensive handbook offers a practical approach to the formulation chemist's day-to-day endeavors by: Addressing the innumerable challenges facing the chemist both in design and at the bench, such as formulating with/for specific properties; formulation, processing and production techniques; sensory and elegancy; stability and preservation; color cosmetics; sunscreens; Offering valuable guidance to troubleshooting issues regarding ingredient selection and interaction, regulatory concerns that must be addressed early in development, and the extrapolation of preservative systems, fragrances, stability and texture aids; Exploring the advantages and

limitations of raw materials; Addressing scale-up and pilot production process and concerns; Testing and Measurements Methods. The 22 chapters written by industry experts such as Roger L. McMullen, Paul Thau, Hemi Nae, Ada Polla, Howard Epstein, Joseph Albanese, Mark Chandler, Steve Herman, Gary Kelm, Patricia Aikens, and Sam Shefer, along with many others, give the reader and user the ultimate handbook on topical product development.

Drug Information Handbook - Charles F. Lacy 2003

Medicinal Chemistry - Thomas Nogrady 2005-08-11

Fully updated and rewritten by a basic scientist who is also a practicing physician, the third edition of this popular textbook remains comprehensive, authoritative and readable. Taking a receptor-based, target-centered approach, it presents the concepts central to the study of drug action in a logical, mechanistic way grounded on molecular and principles. Students of pharmacy, chemistry and pharmacology, as well as researchers interested in a better understanding of drug design, will find this book an invaluable resource. Starting with an overview of basic principles, Medicinal Chemistry examines the properties of drug molecules, the characteristics of drug receptors, and the nature of drug-receptor interactions. Then it systematically examines the various families of receptors involved in human disease and drug design. The first three classes of receptors are related to endogenous molecules: neurotransmitters, hormones and immunomodulators. Next, receptors associated with cellular organelles (mitochondria, cell nucleus), endogenous macromolecules (membrane proteins, cytoplasmic enzymes) and pathogens (viruses, bacteria) are examined. Through this evaluation of receptors, all the main types of human disease and all major categories of drugs are considered. There have been many changes in the third edition, including a new chapter on the immune system. Because of their increasingly prominent role in drug discovery, molecular modeling techniques, high throughput screening, neuropharmacology and genetics/genomics are given much more attention. The chapter on hormonal therapies has been thoroughly updated and re-organized. Emerging enzyme targets in drug design (e.g. kinases, caspases) are discussed, and recent information on voltage-gated and ligand-gated ion channels has been incorporated. The sections on antihypertensive, antiviral, antibacterial, anti-inflammatory, antiarrhythmic, and anticancer drugs, as well as treatments for hyperlipidemia and peptic ulcer, have been substantially expanded. One new feature will enhance the book's appeal to all readers: clinical-molecular interface sections that facilitate understanding of the treatment of human disease at a molecular level.

Countering the Problem of Falsified and Substandard Drugs - Institute of Medicine 2013-06-20

The adulteration and fraudulent manufacture of medicines is an old problem, vastly aggravated by modern manufacturing and trade. In the last decade, impotent antimicrobial drugs have compromised the treatment of many deadly diseases in poor countries. More recently, negligent production at a Massachusetts compounding pharmacy sickened hundreds of Americans. While the national drugs regulatory authority (hereafter, the regulatory authority) is responsible for the safety of a country's drug supply, no single country can entirely guarantee this today. The once common use of the term counterfeit to describe any drug that is not what it claims to be is at the heart of the argument. In a narrow, legal sense a counterfeit drug is one that infringes on a registered trademark. The lay meaning is much broader, including any drug made with intentional deceit. Some generic drug companies and civil society groups object to calling bad medicines counterfeit, seeing it as the deliberate conflation of public health and intellectual property concerns. Countering the Problem of Falsified and Substandard Drugs accepts the narrow meaning of counterfeit, and, because the nuances of trademark infringement must be dealt with by courts, case by case, the report does not discuss the problem of counterfeit medicines.

Martindale - Sean C. Sweetman 2006-01-01

This is thirty-fifth edition of Martindale, which provides reliable, and evaluated information on drugs and medicines used throughout the world. It contains encyclopaedic facts about drugs and medicines, with: 5,500 drug monographs; 128,000 preparations; 40,700 reference citations; 10,900 manufacturers. There are synopses of disease treatments which enables identification of medicines, the local equivalent and the manufacturer. It also Includes herbals, diagnostic agents, radiopharmaceuticals, pharmaceutical excipients, toxins, and poisons as well as drugs and medicines. Based on published information and extensively referenced

Temporary Anchorage Devices in Orthodontics E-Book - Ravindra Nanda 2019-10-25

Achieve excellent patient outcomes with minimally invasive, cost-effective procedures! Temporary Anchorage Devices in Orthodontics, 2nd Edition covers everything you need to know to begin offering TADs in your practice. More than 1,500 full-color photos and illustrations guide you through the entire treatment process, from diagnosis and planning to biomechanics, implants and anchorage devices, and management of problems. Detailed case reports provide insight into the treatment of specific conditions. From a team of expert contributors led by Ravindra Nanda, this book shows the temporary anchorage techniques that will take your orthodontic skills to the next level. Over 1,500 full-color clinical photographs and line drawings depict important concepts and techniques, and show treatment progress from beginning to end. Case Report boxes walk you through the treatment of specific conditions, from initial patient visit to final outcome, with clinical photos showing the changes that occur at each stage of treatment. Unique coverage of temporary anchorage devices is provided by this complete, comprehensive, one-of-a-kind reference, as the use of TADs is becoming more and more popular within the field of orthodontics. Expert contributors from all over the world share their experience and current knowledge of each topic, ensuring that you have accurate, up-to-date, and clinically relevant information. Logical organization begins with a discussion of basic orthodontic principles and moves on to diagnosis and treatment planning, implants and anchorage devices, and management of problems. NEW Anchorage of TADs Using Aligner Orthodontics Treatment for Lower Molars Distalization chapter helps you incorporate TADs to clear aligner therapy. NEW Expert Consult website provides an online version of the book, allowing you to search the entire book electronically. NEW! Updated clinical photos illustrate the advances that have been made since publication of the first edition. NEW! Updated content reflects the latest research and advances in this evolving area.

The Textbook of Pharmaceutical Medicine - John P. Griffin 2008-04-15

New edition of succesful standard reference book for thepharmaceutical industry and pharmaceutical physicians! The Textbook of Pharmaceutical Medicine is the coursebookfor the Diploma in Pharmaceutical Medicine, and is used as astandard reference throughout the pharmaceutical industry. The newedition includes greater coverage of good clinical practice, acompletely revised statistics chapter, and more on safety. Coversthe course information for the Diploma in PharmaceuticalMedicine Fully updated, with new authors Greater coverage of good clinical practice and safety New chapters on regulation of medical devices in Europe andregulation of therapeutic products in Australia

Master Techniques in Surgery: Hepatobiliary and Pancreatic Surgery - Keith Lillemoe 2012-10-01

Hepatobiliary and Pancreatic Surgery is part of the Master Techniques in Surgery Series, which presents common and advanced procedures in the major subspecialties of general surgery. The series is overseen by Josef E. Fischer, MD, editor of the classic two-volume reference Mastery of Surgery. Hepatobiliary and Pancreatic Surgery depicts surgery of the liver, hepatobiliary tree, and pancreas, including cholecystectomy and hepatic resections. Both laparoscopic and open procedures are depicted. The book is written by acknowledged master surgeons, emphasizes surgical procedures, and is lavishly illustrated with original full-color drawings. Each chapter briefly assesses indications, contraindications, and preoperative planning before fully explaining and illustrating the procedure in step-by-step detail. Outcomes, complications, and follow-up are also discussed. Each chapter ends with a brief reference list. A companion website will offer the fully searchable content of the book and procedural videos.

Handbook of Pharmaceutical Excipients - Raymond C. Rowe 2009-01-01

An internationally acclaimed reference work recognized as one of the most authoritative and comprehensive sources of information on excipients used in pharmaceutical formulation with this new edition providing 340 excipient monographs. Incorporates information on the uses, and chemical and physical properties of excipients systematically collated from a variety of international sources including: pharmacopeias, patents, primary and secondary literature, websites, and manufacturers' data; extensive data provided on the applications, licensing, and safety of excipients; comprehensively cross-referenced and indexed, with many additional excipients described as related substances and an international supplier's directory and detailed information on trade names and specific grades or types of excipients commercially available.

Basic & Applied Concepts of Blood Banking and Transfusion Practices - E-Book - Kathy D. Blaney 2013-08-13

Using an easy-to-understand writing style, this text integrates immunohematology theory and application to provide you with the knowledge and skills you need to be successful in blood banking. Problem-solving exercises and case studies help you develop a solid understanding of all areas of blood banking. Learning objectives begin each chapter. Illustrated blood group boxes throughout chapter 6, Other Blood Group Systems, give the ISBT symbol, number, and the clinical significance of the antibodies at a glance. Margin notes and definitions in each chapter highlight important material and offer additional explanations. Chapter summaries recap the most important points of the chapter. Study questions at the end of each chapter provide an opportunity for review. Critical thinking exercises with case studies help you apply what you have learned in the chapter. UPDATED! Information and photos on automation include equipment actually used in the lab. Flow charts showing antibody detection and identification help you detect and identify antibodies. Advanced topics on Transplantation and Cellular Therapy, the HLA System, Molecular Techniques and Applications, Automation, Electronic Crossmatching, and Therapeutic Apheresis make the text relevant for 4-year MLS programs.

Martin's Physical Pharmacy and Pharmaceutical Sciences - Alfred N. Martin 2011

Martin's Physical Pharmacy and Pharmaceutical Sciences is considered the most comprehensive text available on the application of the physical, chemical and biological principles in the pharmaceutical sciences. It helps students, teachers, researchers, and industrial pharmaceutical scientists use elements of biology, physics, and chemistry in their work and study. Since the first edition was published in 1960, the text has been and continues to be a required text for the core courses of Pharmaceutics, Drug Delivery, and Physical Pharmacy. The Sixth Edition features expanded content on drug delivery, solid oral dosage forms, pharmaceutical polymers and pharmaceutical biotechnology, and updated sections to cover advances in nanotechnology.

Good Manufacturing Practices for Pharmaceuticals, Seventh Edition - Graham P. Bunn 2019-02-04

This book provides insight into the world of pharmaceutical quality systems and the key elements that must be in place to change the business and organizational dynamics from task-oriented procedure-based cultures to truly integrated quality business systems that are self-detecting and correcting. Chapter flow has been changed to adopt a quality systems organization approach, and supporting chapters have been updated based on current hot topics including the impact of the worldwide supply chain complexity and current regulatory trends.

Peripheral Vascular Imaging and Intervention - Dan Eviathar Orron 1992

Textbook of organic medicinal and pharmaceutical chemistry - Charles Owens Wilson 1977

Sports Medicine - Freddie H.; Schreiber Verena M. Fu 2010

"Master Techniques in Orthopaedic Surgery: Sports Medicine is aimed at orthopaedic surgery sports medicine specialists. About half of the book is based on sports-related chapters from the Shoulder, Elbow, Knee, and Foot and Ankle volumes of Master Techniques in Orthopaedic Surgery. Other chapters are new to this volume and cover the shoulder, the elbow, the knee, the ankle, and the use of arthroscopy to correct hip problems caused by sports injuries. All chapters assume that the diagnosis is known and focus on selecting the correct technique. The contributors describe their preferred techniques in step-by-step detail, point out pertinent anatomy, and offer pearls and tips for improving results. The book is thoroughly illustrated with full-color, sequential, surgeon's-eye view intraoperative photographs, as well as drawings by noted medical illustrators"--Provided by publisher.

Aulton's Pharmaceutics - Michael E. Aulton 2013

"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.

FASTtrack Pharmaceutics Dosage Form and Design, 2nd edition - David S. Jones 2016-06-13

FASTtrack Pharmaceutics – Dosage Form and Design focuses on what you really need to know in order to pass your pharmacy exams. It provides concise, bulleted information, key points, tips and an all-important self-assessment section, including MCQs.

Remington - Linda A. Felton 2013

Summary: A complete guide to the theory and application of pharmaceutics.

Oxford Handbook of Critical Care - Mervyn Singer 2009-03-26

The fully revised, third edition of this bestselling Handbook describes best practice of critical care in a succinct, concise and clinically-orientated way. Covering the principles of general management, it includes therapeutic and monitoring devices, specific disorders of organ systems, as well as detailed information on drugs and fluids. New material has been added on key areas such as airway maintenance, dressing techniques, infection control, echocardiography, tissue perfusion monitoring, coma and more. With up-to-date references and invaluable clinical advice, there is also plenty of space to add notes or amend sections to suit local protocols. Patient-centred and practical, it will serve the consultant, trainee, nurse or other allied health professionals as both a reference and aide memoir. This is the indispensable Oxford Handbook for all those working within critical care.

Integrated Safety and Risk Assessment for Medical Devices and Combination Products - Shayne C. Gad 2020-02-24

While the safety assessment ("biocompatibility") of medical devices has been focused on issues of local tissue tolerance (irritation, sensitization, cytotoxicity) and selected quantal effects (genotoxicity and acute lethality) since first being regulated in the late 1950s, this has changed as devices assumed a much more important role in healthcare and became more complex in both composition and in their design and operation. Add to this that devices now frequently serve as delivery systems for drugs, and that drugs may be combined with devices to improve device performance, and the problems of ensuring patient safety with devices has become significantly more complex. A part of this, requirements for ensuring safety (once based on use of previously acceptable materials – largely polymers and metals) have come to requiring determining which chemical entities are potentially released from a device into patients (and how much is released). Then an appropriate and relevant (yet also conservative) risk assessment must be performed for each identified chemical structure. The challenges inherent in meeting the current requirements are multifold, and this text seeks to identify, understand, and solve all of them. • Identify and verify the most appropriate available data. • As in most cases such data is for a different route of exposure, transform it for use in assessing exposure by the route of interest. • As the duration (and rate) of exposure to moieties released from a device are most frequently different (longer) than what available data speaks to, transformation across tissue is required. • As innate and adaptive immune responses are a central part of device/patient interaction, assessing potential risks on this basis are required. • Incorporating assessments for special populations such as neonates. • Use of (Q)SAR (Quantitative Structure Activity Relationships) modeling in assessments. • Performance and presentation of integrative assessments covering all potential biologic risks. Appendices will contain summarized available biocompatibility data for commonly used device materials (polymers and metals) and safety assessments on the frequently seen moieties in extractions from devices.

Dale and Appelbe's Pharmacy and Medicines Law - Gordon E. Appelbe 2013
This text is a comprehensive guide to law and ethics for pharmacy practice in the UK. Since publication of the first edition in 1976, it has become established as the standard student textbook and reference work on this subject in the UK. It includes information on the law that affects the practice of pharmacy in the UK, complete coverage of the pharmacy undergraduate and pre-registration syllabus and British law relating to medicines and poisons. This tenth edition has been substantially updated in connection with the advent of the GPhC and the new PLB, and revision of the Medicines Act.

Clinical Application of Mechanical Ventilation - David W. Chang 2013-02-13
CLINICAL APPLICATION OF MECHANCIAL VENTILATION, FOURTH EDITION integrates fundamental concepts of respiratory physiology with the day-to-day duties of a respiratory care professional. Utilizing the wide degree of topics covered, including airway management, understanding ventilator waveforms, and addressing critical care issues, students have the best resource available for understanding mechanical ventilation and its clinical application. Enhancing the learning experience are valuable illustrations of concepts and equipment, highlighted key points, and self-assesment questions in NRBC format with answers. Whether preparing for the national exam or double-checking a respiratory care calculation, this textbook provides the fundamental principles of respiratory care with the clinical guidance necessary for mechanical ventilation. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Martindale - Alison Brayfield 2020-05-22
Martindale: The Complete Drug Reference provides unbiased and evaluated information on drugs and medicines in use around the world. It is prepared by an experienced team of pharmacists and life scientists who use their professional expertise to select the most clinically relevant and appropriate information from reliable published sources.

The ASAM Essentials of Addiction Medicine - Abigail Herron 2015-03-18
A masterful, high-yield guide to the treatment of substance abuse issues, The ASAM Essentials of Addiction Medicine equips you with the expert know-how you need to provide effective help for your patients. Derived from The ASAM Principles of Addiction Medicine, 5th Edition – widely hailed as the definitive comprehensive clinical reference in the field – this companion resource presents the collective wisdom of hundreds of esteemed authorities on the art and science of addition medicine. Yet, it does so in a succinct format that will appeal to specialists seeking a more streamlined, quick-access reference source. Find the authoritative answers you need on everything from the pharmacology of addiction through diagnosis, assessment, and early intervention; various forms of addiction management...treatment of individual patient populations; management of intoxication and withdrawal; pharmacologic and behavioral interventions; recovery programs; medical disorders and complications...co-occurring addiction and psychiatric disorders; pain and addiction; children and adolescents; and ethical, legal, and liability issues. Contribute to public health in the area of addiction thanks to a special introductory chapter entitled “A Public Health Approach to Prevention: The Health Professional’s Role.” Easily switch back and forth between the ASAM Essentials and the parent text thanks to a parallel chapter organization. Zero in on the most important, practical information thanks to highly focused, efficient coverage. Maximize your understanding and retention of vital concepts with the aid of key points summaries, review questions, and suggested readings in each chapter.

The Clinical Utility of Compounded Bioidentical Hormone Therapy - National Academies of Sciences, Engineering, and Medicine 2020-10-22
The U.S. Food and Drug Administration (FDA) has approved dozens of hormone therapy products for men and women, including estrogen, progesterone, testosterone, and related compounds. These products have been reviewed for safety and efficacy and are indicated for treatment of symptoms resulting from hormonal changes associated with menopause or other endocrine-based disorders. In recent decades, an increasing number of health care providers and patients have turned to custom-formulated, or compounded, drug preparations as an alternative to FDA-approved drug products for hormone-related health concerns. These compounded hormone preparations are often marketed as "bioidentical" or "natural" and are commonly referred to as compounded bioidentical hormone therapy (cBHT). In light of the fast-growing popularity of cBHT preparations, the clinical utility of these compounded preparations is a substantial public health concern for various stakeholders, including medical practitioners, patients, health advocacy organizations, and federal and state public health agencies. This report examines the clinical utility and uses of cBHT drug preparations and reviews the available evidence that would support marketing claims of the safety and effectiveness of cBHT preparations. It also assesses whether the available evidence suggests that these preparations have clinical utility and safety profiles warranting their clinical use and identifies patient populations that might benefit from cBHT preparations in lieu of FDA-approved BHT.

Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems - Loyd V. Allen 2021-08-16
The most trusted source on the subject available today, Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems, 12th Edition equips pharmacy students with everything they need to master the intricacies of pharmaceutical dosage form design and production and achieve successful outcomes in their courses and beyond. Reflecting the latest CAPE, APhA, and NAPLEX® competencies, this trusted, extensively updated resource clarifies the interrelationships between pharmaceutical and biopharmaceutical principles, product design, formulation, manufacture, compounding, and the clinical application of the various dosage forms in patient care, as well as regulations and standards governing the manufacturing and compounding of pharmaceuticals. New and revised content throughout keeps students up to date with current approaches to key coverage areas, and additional case studies demonstrate concepts in action to reinforce understanding and prepare students for the clinical challenges ahead.

Lyophilization of Biopharmaceuticals - Henry R. Costantino 2004
Humans have been experimenting with lyophilization, or freeze-drying, as a method to preserve biological structures for over a thousand years. This comprehensive volume, intended for scientists in both academia and industry, covers a wide range of topics relevant to the formulation of peptide and protein drugs in the freeze-dried state.

Handbook of Pharmaceutical Granulation Technology - Dilip M. Parikh 2021-05-12
This fully revised edition of Handbook of Pharmaceutical Granulation Technology covers the rapid advances in the science of agglomeration, process control, process modelling, scale-up, emerging particle engineering technologies, along with current regulatory changes presented by some of the prominent scientist and subject matter experts around the globe. Learn from more than 50 global subject matter experts who share their years of experience in areas ranging from drug delivery and pharmaceutical technology to advances in nanotechnology. Every pharmaceutical scientist should own a copy of this fourth edition resource. Key Features: Theoretical discussions covering granulation and engineering perspectives. Covers new advances in expert systems, process modelling and bioavailability Chapters on emerging technologies in particle engineering Updated Current research and developments in granulation technologies

Davidson's Principles and Practice of Medicine E-Book - Brian R. Walker 2013-12-06
More than two million medical students, doctors and other health professionals from around the globe have owned a copy of Davidson’s Principles and Practice of Medicine since it was first published. Today’s readers rely on this beautifully illustrated text to provide up-to-date detail of contemporary medical practice, presented in a style that is concise and yet easy to read. Davidson’s provides the factual knowledge required to practise medicine, explaining it in the context of underlying principles, basic science and research evidence, and shows how to apply this knowledge to the management of patients who present with problems rather than specific diseases. The book has won numerous prizes including being highly commended in the British Medical Association book awards. Davidson’s global perspective is enhanced by the input of an international team of authors and a

distinguished International Advisory Board from 17 countries. Building on the foundations laid down by its original editor, Davidson's remains one of the world's leading and most respected textbooks of medicine. The underlying principles of medicine are described concisely in the first part of the book, and the detailed practice of medicine within each sub-specialty is described in later system-based chapters. Most chapters begin with a two-page overview of the important elements of the clinical examination, including a manikin to illustrate the key steps in the examination of the relevant system. A practical, problem-based clinical approach is described in the 'Presenting Problems' sections, to complement the detailed descriptions of each disease. The text is extensively illustrated, with over 1000 diagrams, clinical photographs, and radiology and pathology images. 1350 text boxes present information in a way suitable for revision, including 150 clinical evidence boxes summarising the results of systematic reviews and randomised controlled trials and 65 'In Old Age' boxes highlighting important aspects of medical practice in the older population. A combined index and glossary of medical acronyms contains over 10 000 subject entries. The contents can also be searched comprehensively as part of the online access to the whole book on the StudentConsult platform. Access over 500 self-testing questions with answers linked to the book's content for further reading. The text uses both SI and non-SI units to make it suitable for readers throughout the globe. A new chapter specifically on Stroke Disease recognises the emergence of Stroke Medicine as a distinct clinical and academic discipline. A rationalisation of the 1350 boxes used throughout the book gives a simpler and clearer presentation of the various categories. New 'In Adolescence' boxes recognise the fact that many chronic disorders begin in childhood and become the responsibility of physicians practising adult medicine. These boxes acknowledge the overlap 'transitional' phase and highlight the key points of importance when looking after young people. The regular introduction of new authors and editors maintains the freshness of each new edition. On this occasion Dr Ian Penman has joined the editorial team and 18 new authors bring new experience and ideas to the content and presentation of the textbook. An expanded International Advisory Board of 38 members includes new members from several different countries.

Strengthening Forensic Science in the United States - National Research Council 2009-07-29

Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Pharmaceutical Excipients - Otilia M. Y. Koo 2016-10-03

This book provides an overview of excipients, their functionalities in pharmaceutical dosage forms, regulation, and selection for pharmaceutical products formulation. It includes development, characterization methodology, applications, and up-to-date advances through the perspectives of excipients developers, users, and regulatory experts. Covers the sources, characterization, and harmonization of excipients: essential information for optimal excipients selection in pharmaceutical development Describes the physico-chemical properties and biological effects of excipients Discusses chemical classes, safety and toxicity, and formulation Addresses recent efforts in the standardization and harmonization of excipients