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Handbook of Pharmaceutical Excipients McGraw Hill

Professional

This work covers the entire scope of pharmaceutics, from the basics of drug dosage and routes of administration to the finer points of drug discovery, drug product development, legislation and regulations governing quality standards and product approval for marketing.

NFI Academic Press

The Handbook of Pharmaceutical Excipients is a comprehensive, uniform guide to the uses, properties, and safety of pharmaceutical excipients. It collects in a systematic and unified manner, essential data on the physical and chemical properties of excipients. Information has been assembled from a variety of sources, including the primary literature and excipients manufacturers. Personal observations and comments from contributors are also included.

BNF Synapse Information Resources Incorporated

"This FASTtrack book has been written to guide the student pharmacist or pharmacy technician through the main stages involved in pharmaceutical dispensing. It focuses on what pharmacy students really need to know in order to pass exams providing concise, bulleted information,

chapter overviews, key points, and an all-important self-assessment section which includes MCQs.--Publisher.

Pharmaceutical Excipients

Springer Nature

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 .

Pharmacotherapy Handbook

Elsevier Health Sciences

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.

Handbook of Cosmeceutical Excipients and their Safeties JEC PUBLICATION

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.

Countering the Problem of Falsified and Substandard Drugs National Academies Press

CRC Handbook of Food, Drug, and Cosmetic Excipients provides a comprehensive summary of toxicological issues regarding inactive ingredients in pharmaceutical products, cosmetic products, and food additives. Background information on regulations and labeling requirements for each type of product is provided, and 77 articles critically review human and animal data pertinent to a variety of agents and makes judgments regarding the clinical relevance. The book also identifies at-risk populations, such as neonates, patients with renal failure, and atopic patients. Inactive

common pharmaceutical agents and/or foods containing certain ingredients are listed to help physicians counsel hypersensitive patients who must avoid products containing these excipients.

Handbook of Pharmaceutical Excipients Pharmaceutical Press

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.

Textbook of Pharmacognosy and Phytochemistry - E-Book Springer Science & Business Media

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.

Pharmaceutical Compounding and Dispensing John Wiley & Sons

It is with great pleasure that we introduce the first edition of the textbook on " Pharmacy Practice ". This book further elucidates and clarifies simple socially related concepts needed for pharma students to get through the first course of BP 703T. This book is a sincere attempt to concepts and vocabulary understandable to students and field experts alike. I have tried to simplify the concepts for ease of grasping even for the first year students. The text was put through great lengths to keep it error-free and convey the subject in a style that is understandable to students. However, any recommendations and helpful criticism would be much appreciated and included in a subsequent edition. At the end of the course student will be able to: 1. Hospital and its organisation 2. Hospital pharmacy 3. Drug reactions 4. Budget preparation 5. Drug store management

FASTtrack Applied Pharmaceutical Practice Springer Science & Business Media

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

Textbook of Organic Medicinal and Pharmaceutical Chemistry

Cambridge University Press

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.

Practical Pharmaceutics

Springer Nature

Practical Pharmaceutics contains essential knowledge on the preparation, quality control, logistics, dispensing and use of medicines. It features chapters written by experienced pharmacists and scientists working in hospitals, academia and industry throughout Europe, including practical examples as well as information on current GMP and GMP-based guidelines and EU-legislation. In this second edition all chapters have been updated with numerous new as

well as didactically revised illustrations and tables. A completely new chapter about therapeutic proteins and Advanced Therapy Medicinal Products was added. From prescription to production, from usage instructions to procurement and the impact of medicines on the environment, the book provides step-by-step coverage that will help a wide range of readers, students as well as professionals. It offers product knowledge for all pharmacists working directly with patients and it will enable them to make the required medicine available, to store medicines properly, to adapt medicines if necessary and to dispense medicines with the appropriate information for patients as well as caregivers about product care and how to maintain the quality of the product. The basic knowledge presented in the book will also be valuable for industrial pharmacists to remind and focus them on the application of the medicines manufactured. The basic and practical knowledge on the design, preparation and quality management of medicines can directly be applied by the pharmacists whose main duty is production in community and hospital pharmacies and in industry. Undergraduate as well as graduate pharmacy students will find knowledge presented in a coherent way and fully supported with relevant examples. Practical Pharmaceutics has become a reliable and recognised source for the acquisition of pharmaceutical-technological knowledge. The book is used in the curriculum of a number of international universities and schools of Pharmacy.

Merck's Index Elsevier

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

Pharmaceutical Excipients 2001 John Wiley & Sons

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.

Remington Lippincott Williams & Wilkins

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.

Handbook of Pharmaceutical Excipients Springer Nature

Textbook of Pharmacognosy and Phytochemistry This comprehensive textbook is primarily aimed at the course requirements of the B. Pharm. students. This book is specially designed to impart knowledge alternative systems of medicine as well as modern pharmacognosy. It would also serve as a valuable resource of information to other allied botanical and alternative healthcare science students as well as researchers and industrialists working in the field of herbal technology. Only Textbook Offering... Recent data on trade of Indian medicinal plants (till 2008) Illustrated biosynthetic pathways of metabolites as well as extraction and isolation methodologies of

medicinal compounds Bioactivity determination and synthesis of herbal products of human interest Information on Ayurvedic plants and Chinese system of medicine Simple narrative text that will help the students quickly understand important concepts Over 300 illustrations and 120 tables in order to help students memorize and recall vital concepts making this book a student ' s companion cum teacher A must buy for every student of pharmacognosy!

Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems CRC Press

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.

Integrated Safety and Risk Assessment for Medical Devices and Combination Products

Pharmaceutical Press

New materials and manufacturing techniques are emerging with potential to address the challenges associated with the manufacture of pharmaceutical systems that will teach new tricks to old drugs. 3D printing (3DP) is a technique that can used for the manufacturing of dosage forms, and especially targeting paediatric and geriatric formulations, as permits the fabrication of high degrees of complexity with great reproducibility, in a fast and cost-effective fashion, and offers a new paradigm for the direct manufacture of personalised dosage forms. The book is covering the basics behind each additive manufacturing (AM) method, current applications in pharmaceutics for each 3DP method, and case studies (examples) from a teaching perspective, targeting undergraduate (UG) and postgraduate (PG) students. A unique to this book is the integration of studies based upon the use of different AM technologies, which designed to reinforce importance printing parameters and material considerations. The book includes case studies or multiple-choice questions (MCQs), which allow application of the content in a flipped-classroom.

PHARMACY PRACTICE

Amer Pharmacists Assn

In the view of most experts pharmacology is on drugs, targets, and actions. In the context the drug as a rule is seen as an active pharmaceutical ingredient and not as a complex mixture of chemical entities of a well defined structure. Today, we are becoming more and more aware of the fact that delivery of the active compound to the target site is a key. The present volume gives a topical overview on various modern approaches to drug targeting covering today ' s options for specific carrier systems allowing successful drug treatment at various sites of the body difficult to address and allowing to increase the benefit-risk-ratio to the optimum possible.