Extemporaneous Formulations For Pediatric Geriatric And Special

Clinical Therapeutics Primer: Link to the Evidence for the Ambulatory Care Pharmacist is a valuable resource for pharmacy students, new pharmacist practitioners, and practicing pharmacists in the ambulatory setting. Organized by therapeutic concentration, this in-depth text will assist the reader in mastering the skills required to successfully assess and treat commonly encountered outpatient medical conditions such as diabetes, hypertension, chronic pain, and more. Featuring over 40 practical cases and the patient-centered care approach, Clinical Therapeutics Primer provides an evidence-based field guide for applying complex concepts into best clinical practices. Key Features • Key Terms • Learning Objectives • Over 40 Sample Patient Cases • Treatment Algorithms • Key Terminology Review • Clinical Pearls • Discussion Questions • Web Resources Instructor Resources Instructor's Manual PowerPoint Presentations Test Bank Student Companion Website, including: Crossword Puzzles Interactive Flashcards Interactive Glossary Matching Exercises WebLinks Each new, print textbook includes a card with an access code for the Student Companion Website. Access to the Companion Website may also be purchased separately, under the RESOURCES tab, FOR STUDENTS.

Das neue Lehrbuch der Pharmazeutischen Biologie mit seinen Lehrinhalten für den zweiten Prüfungsabschnitt informiert über drei große Themenkreise biogener Arzneimittel: über pflanzliche Arzneimittel der besonderen Therapierichtungen mit Schwerpunkt Phytotherapie, über Arzneimittel aus Mikroorganismen, speziell über Antibiotika und Immuntherapeutika und über die neue Palette an Wirkstoffen, die gentechnisch hergestellt werden. Die Stoffinhalte umfassen traditionelle Arzneimittel und biotechnologisch entwickelte Wirkstoffe gleichermaßen. Die Arzneimittel der besonderen Therapierichtungen werden aus der Sicht der naturwissenschaftlich orientierten Medizin dargestellt. Die Stoffgebiete werden fächerübergreifend abgehandelt; dabei ist die Verbindung zur Pharmakologie besonders eng. Erstmalig in einem Lehrbuch werden wissenschaftlich begründete Aussagen paramedizinischen Aussagen kritisch gegenüber gestellt: besonders hierin liegt der Praxisbezug des Buches für den Apotheker.

This book is the first text to provide a comprehensive assessment of the application of fundamental principles of dissolution and drug release testing to poorly soluble compounds and formulations. Such drug products are, vis-à-vis their physical and chemical properties, inherently incompatible with aqueous dissolution. However, dissolution methods are required for product development and selection, as well as for the fulfillment of regulatory obligations with respect to biopharmaceutical assessment and product quality understanding. The percentage of poorly soluble drugs, defined in classes 2 and 4 of the Biopharmaceutics Classification System (BCS), has significantly increased in the modern pharmaceutical development pipeline. This book provides a thorough exposition of general method development strategies for such drugs, including instrumentation and media selection, the use of compendial and non-compendial techniques in product development, and phase-appropriate approaches to dissolution development. Emerging topics in the field of dissolution are also discussed, including biorelevant and biphasic dissolution, the use on enzymes in dissolution testing, dissolution of suspensions, and drug release of non-oral products. Of particular interest to the industrial pharmaceutical professional, a brief overview of the formulation and solubilization techniques employed in the development of BCS class 2 and 4 drugs to overcome solubility challenges is provided and is complemented by a collection of chapters that survey the approaches and considerations in developing dissolution methodologies for enabling drug delivery technologies, including nanosuspensions, lipid-based formulations, and stabilized amorphous drug formulations.

Biopharmaceutics and Pharmacokinetics Considerations examines the history of biopharmaceutics and pharmacokinetics. The book provides a biopharmaceutics and pharmacokinetics approach to addressing issues in formulation development and ethical considerations in handling animals. Written by experts in the field, this volume within the Advances in Pharmaceutical Product Development and Research series deepens understanding of biopharmaceutics and pharmacokinetics within drug discovery and drug development. Each chapter delves into a particular aspect of this fundamental field to cover the principles, methodologies and technologies employed by pharmaceutical scientists, researchers and pharmaceutical industries to study the chemical and physical properties of drugs and the biological effects they produce. Examines the most recent developments in biopharmaceutics and pharmacokinetics for pharmaceutical sciences Covers the principles, methodologies and technologies of biopharmaceutics and pharmacokinetics Focuses on the pharmaceutical sciences, but also encompasses aspects of toxicology, neuroscience, environmental sciences and nanotechnology

Remington Education: Drug Information & Literature Evaluation teaches students how to effectively and efficiently locate and analyze up-to-date drug information and literature. It succinctly examines key drug information and literature-evaluation principles - the proper approach for answering drug/health information questions, tertiary and secondary resources, and practice guideline, systematic reviews and meta-analyses. Every chapter includes self-assessment questions; answers are located at the back of the book. Rev. ed. of: Extemporaneous formulations / Rita K. Jew, Robert J. Mullen, Winson Soo-Hoo. c2003.

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.

Trusted by generations of residents and practitioners, The Harriet Lane Handbook from The Johns Hopkins University remains your first choice for fast, accurate information on pediatric diagnosis and treatment. Now even more convenient to carry, it’s your go-to resource for a wealth of practical information, including the latest treatment and management recommendations, immunization schedules, procedures, and therapeutic guidelines, as well as a unique, comprehensive drug formulary. New information on dermatology treatments, eczema complications, lead poisoning, and signs of child abuse keeps you completely up to date. You’ll also have easy access to the entire contents online, with frequent updates to drug information, treatment protocols, vaccination schedules, and downloadable images at www.expertconsult.com. Benefit from time-tested, practical wisdom - from the first book written "by residents, for residents," reviewed by expert faculty at The Johns Hopkins Hospital, and essential for all health care professionals who treat children. Find information quickly and easily, even in the most demanding circumstances, with a modified outline format. Rely on the most dependable drug information available with the thoroughly updated, one-of-a-kind pediatric formulary. Ensure accurate and efficient diagnosis and treatment with all-new coverage of dermatology treatments, eczema complications, and lead poisoning, as well as new CDC immunization schedules, vaccine abbreviations, and full-color images of the signs of child abuse. Access the complete contents online at www.expertconsult.com, including frequent updates to the trusted and comprehensive Pediatric Drug Formulary. Carry it more easily in your pocket with its smaller, more concise format - still delivering the same high-quality information you can refer to with confidence, but in a more convenient size.

Successful pharmacy careers begin with successful rotations—and successful rotations start with this guide. Although rotations are crucial to the development of skills needed to practice pharmacy, there has been little available to guide students in the best way to prepare and make the most of these experiences—until now. Maximize Your Rotations: ASHP’s Student Guide to IPPEs, APPEs, and Beyond breaks down everything you need to know into easy-to-navigate chapters. Inside you will find the skills required to excel while on IPPE or APPE rotations, along with competencies that may be unique to one type of rotation or another. Each chapter is written by an experienced preceptor, lending a valuable perspective. By using this text, you will gain an appreciation of the general expectations and typical activities of each rotation experience before you begin. Better preparation means better performance. Maximize Your Rotations will also be a resource throughout the experiential year, offering everything from reminders of clinical issues and statistical reviews to advice on interviewing, CV writing, professional organizations, and more. Maximize Your Rotations means less time getting up to speed—and more time getting ahead in your career. Your rotation experience can be the launching pad for your career, and there’s no better guide than Maximize Your Rotations.

Encyclopedia of Pharmacy Practice and Clinical Pharmacy covers definitions, concepts, methods, theories and applications of clinical pharmacy and pharmacy practice. It highlights why and how this field has a significant impact on healthcare. The work brings baseline knowledge, along with the latest, most cutting-edge research. In addition, new treatments, algorithms, standard treatment guidelines, and pharmacotherapies regarding diseases and disorders are also covered. The book's main focus lies on the pharmacy practice side, covering pharmacy practice research, pharmacovigilance, pharmacoeconomics, social and administrative pharmacy, public health pharmacy, pharmaceutical systems research, the future of pharmacy, and new interventional models of pharmaceutical care. By providing concise expositions on a broad range of topics, this book is an excellent resource for those seeking information beyond their specific areas of expertise. This outstanding reference is essential for anyone involved in the study of pharmacy practice. Provides a ‘one-stop’ resource for access to information written by world-leading scholars in the field Meticulously organized, with articles split into three clear sections, it is the ideal resource for students, researchers and professionals to find relevant information Contains concise and accessible chapters that are ideal as an authoritative introduction for non-specialists and readers from the undergraduate level upwards Includes multimedia options, such as hyperlinked references and further readings, cross-references and videos

The classic guide to information management for pharmacists--updated to reflect the realities of today's practice The goal of Drug Information: A Guide for Pharmacists is to teach students and practitioners how to effectively research, interpret, evaluate, collate, and disseminate drug information in the most efficient and effective manner possible. Updated throughout, the book also addresses important issues such as the legal and ethical considerations of providing drug information. The Fifth Edition includes a timely new chapter on assessing drug promotions by pharmaceutical representatives and the need for counter-detailing. There is also a new chapter that bridges the gap between pharmacy informatics and drug information. COVERAGE INCLUDES: Formulating effective responses and recommendations for drug information Evaluation of the drug literature The application of statistical analysis in the biomedical sciences Drug evaluation monographs Adverse drug reactions Medication and patient safety Investigational drugs

This comprehensive text provides fundamental information on a broad spectrum of essential topics in health-system pharmacy practice. From an overview of health delivery systems and hospital pharmacy through various practice settings such as home care, long term care, hospice and palliative care, ambulatory care, and managed care this text focuses on various elements important to health-system pharmacies. The Handbook of Institutional Pharmacy Practice is the first step in developing a career in pharmacy and provides opportunities for study in career enhancement. New chapters included in the FOURTH EDITION: Integrity of the Drug Supply Overview of the History of Hospital Pharmacy in the United States Interprofessional Teams/Collaborative Practice Models Development, Implementation and Monitoring Therapeutic Plans and Evidence-Based Medicine

This reference has served an important and continuing need for evidence–based “recipes” in extemporaneous formulations. It is the go-to resource for pharmacists treating patients who require any of the 80% of medications that are not commercially available in appropriate forms or dosages for pediatric, geriatric, or other special populations. The third edition will include 39 new formulations.

Pharmaceutics: Basic Principles and Application to Pharmacy Practice is an engaging textbook that covers all aspects of pharmaceutics with emphasis on the basic science and its application to pharmacy practice. Based on curricular guidelines mandated by the American Council for Pharmacy Education (ACPE), this book incorporates laboratory skills by identifying portions of each principle that can be used in a clinical setting. In this way, instructors are able to demonstrate their adherence to ACPE standards and objectives, simply by using this book. Written in a straightforward and student-friendly manner, Pharmaceutics enables students to gain the scientific foundation to understand drug physicochemical properties, practical aspects of dosage forms and drug delivery systems, and the biological applications of drug administration. Key ideas are illustrated and reinforced through chapter objectives and chapter summaries. A companion website features resources for students and instructors, including videos illustrating difficult processes and procedures as well as practice questions and answers. Instructor resources include Powerpoint slides and a full-color image bank. This book is intended for students in pharmaceutical science programs taking pharmaceutics or biopharmaceutics courses at the undergraduate, graduate and doctoral level. Chapter objectives and chapter summaries illustrate and reinforce key ideas Designed to meet curricular guidelines for pharmaceutics and laboratory skills mandated by the Accreditation Council for Pharmacy Education (ACPE) Companion website features resources for students and instructors, including videos illustrating difficult processes and procedures and practice questions and answers. Instructor resources include Powerpoint slides and a full-color image bank

Designed to fully prepare readers for the challenges of a career in the pharmacy industry, the Fifth Edition of DURGIN AND HANAN'S PHARMACY PRACTICE FOR TECHNICIANS continues to provide readers with the comprehensive coverage that has made previous editions so popular. Useful as both a learning tool and a reference manual, this practical text covers all aspects of contemporary health care and pharmacy practice, including comprehensive information on basic pharmacy concepts and changes in pharmacy technician duties, practice and regulatory standards. With increased coverage of prescription drug plans, career opportunities, and communication skills, this classic text provides readers with the information needed to excel in a variety of pharmacy settings. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Since its first publication, Extemporaneous Formulations, by Rita Jew, Winson Soo-Hoo, Sarah Erush, and Elham Amiri, has been the go-to guide for treating patients who require any of the 80% of medications not commercially available in appropriate forms or dosages for pediatric, geriatric, or special needs. Now even more comprehensive, the third edition provides the same evidence-based formulation in easy-to-follow ""recipes"" for 197 nonsterile formulations, 39 of which are new, and two of which have been updated. Each ""recipe"" includes: Ingredients Preparation details and instructions Stor.

Detailing formulation approaches by stage of discovery to early development, this book gives a “playbook” of practical and efficient strategies to formulate drug candidates with the least chance of failing in clinical development. • Comes from contributing authors with experience developing formulations on the frontlines of the pharmaceutical industry • Focuses on pre (or non-) clinical and early stage development, the phases where most compounds are used in drug research • Features case studies to illustrate practical challenges and solutions in formulation selection • Covers regulatory filing, drug metabolism and physical and chemical properties, toxicology formulation, biopharmaceutics classification system (BCS), screening approaches, early stage clinical formulation development, and outsourcing

Primäres Ziel der Arbeit war die Entwicklung einer kindgerechten Zubereitung mit einem in der Pädiatrie dringend benötigten Arzneistoff. Ausgehend von den Ergebnissen der Rezepturarzneimittelstudie 2006 konnte gezeigt werden, dass auch 5 Jahre nach Inkrafttreten der EU-Verordnung speziell im Bereich der Herz-Kreislauf-Medikamente kindgerechte Darreichungsformen für dringend benötigte Arzneistoffe fehlen. Mit Enalaprilmaleat (EM) wurde ein Vertreter aus der Gruppe der ACE-Hemmer gewählt, der trotz häufigen Einsatzes in der Pädiatrie und umfangreicher klinischer Studienlage nicht in kindgerechter Darreichungsform verfügbar ist. Mit diesem, in der Pädiatrie in sehr niedrigen Dosierungen benötigten Wirkstoff, wurden zunächst flüssige Zubereitungen hergestellt und charakterisiert. Sie boten eine wesentlich höhere Dosierungsgenauigkeit als durch Halbieren von Tabletten erreicht wurde und ermöglichten zugleich eine flexible Dosierung. Ergänzend zu publizierten Daten zur Stabilität von EM-Rezepturzubereitungen aus Fertigarzneimitteln konnten die Laufzeiten von EM-Lösungen mit pH-Werten zwischen 3,5 und 5 ermittelt werden. Mit Laufzeiten von 5 bis 6 Monaten bei stabilitätsbegünstigendem, niedrigem pH-Wert waren flüssige Zubereitungen zwar für die Verwendung als Rezeptur-, aber nicht als Fertigarzneimittel geeignet. Im Rahmen dieser Arbeit sollte weiterhin untersucht werden, ob die kürzlich eingeführte neue Plattformtechnologie der orodispersiblen Mini-Tablette (ODMT) auf eine einzeldosierte EM-Zubereitung mit niedriger Dosis übertragbar ist. Die hergestellten ODMTs wiesen Bruchfestigkeiten von 0,5 bis 1,2 N/mm² auf und zerfielen in 1,7 bis 10,5 s. Mit einem statistischen Versuchsplan konnten die Einflüsse der Hilfsstoffe auf entscheidende Merkmale der ODMTs wie Zerfallszeit, Bruchfestigkeit und Wirkstoffstabilität untersucht werden. Hierbei wurde eine noch nicht publizierte Inkompatibilität von EM mit sprühgetrocknetem ?-Laktosemonohydrat und Natriumstearylfumarat beobachtet. Zubereitungen mit dem mannitolbasierten, gebrauchsfertigen Hilfsstoffgemisch Ludiflash® und Magnesiumstearat wiesen eine mit handelsüblichen Arzneimitteln vergleichbare Stabilität auf. Bei der Direkttablettierung von Pulvermischungen mit niedrigem Wirkstoffanteil wurde eine hohe Gehaltsstreuung in den Einzeldosen beobachtet. Sie war in Ludiflash®-basierten ODMTs signifikant höher als in FlowLac® 100-basierten ODMTs. Durch verfahrenstechnische Ansätze wie Feucht- und Trockengranulierung oder Mehrstufenmischung wurde versucht, die Gleichmäßigkeit des Gehalts sicherzustellen. Dies gelang durch Walzenkompaktierung der physikalischen Mischung bereits mit spezifischen Kompaktierkräften von 4 kN/cm ohne Abtrennung des Feinanteils. Es konnten so aus beiden Mischungen ODMTs mit 0,25 mg EM bei einer Gehaltsstreuung unter 5% hergestellt werden. Mit den entwickelten Methoden lassen sich somit ODMTs mit EM produzieren, die den aktuellen Anforderungen an ein Fertigarzneimittel genügen. Die Ergebnisse können ferner dazu beitragen, die Plattformtechnologie der ODMT auch auf Zubereitungen mit anderen niedrigdosierten Arzneistoffen zu übertragen. Neben der Gleichförmigkeit des Gehalts ist die Zerfallszeit von ODMTs, speziell bei pädiatrischen Patienten, ein sicherheitsrelevantes Produktmerkmal. Für diese neue, sehr schnell zerfallende Arzneiform wurde ein neuartiges Testgerät entwickelt, das die Probe mit einer konstanten Kraft von 0,13 N belastet, was der bei Erwachsenen experimentell ermittelten Zungenkraft entspricht. Start- und Endpunkt des Zerfalls werden anhand von Veränderungen des elektrischen Widerstands automatisch erfasst. Nach Untersuchung menschlichen Speichels konnte zudem ein neues, biorelevantes Zerfallsmedium entwickelt werden. Dadurch ließ sich ein diskriminierendes Testverfahren etablieren, dass die Bestimmung auch sehr kurzer Zerfallszeiten von unter 2 Sekunden zuverlässig ermöglicht und zugleich die in vivo ermittelten Zerfallszeiten mit guter

Korrelation (r=0,983) wiedergibt. In dieser Arbeit konnte erstmals erfolgreich gezeigt werden, dass ODMTs als einzeldosierte Arzneiformen für Wirkstoffdosierungen von unter 1 mg geeignet sind. Die vorgestellten Zubereitungen mit 0,25, 0,50 und 1,25 mg EM ermöglichen eine kindgerechte, individuelle Dosierung in nahezu allen pädiatrischen Altersgruppen. Nach den bisherigen Erkenntnissen stellen die neuentwickelten ODMTs eine sichere und haltbare neue Darreichungsform für die Therapie mit EM dar. In zukünftigen Untersuchungen soll die Wirksamkeit und Unbedenklichkeit der neuen EM-Zubereitung bei der Anwendung in Kindern klinisch geprüft werden. The primary objective of this study was the development of a child-appropriate formulation of a drug substance urgently required in paediatrics. Based on the results of a study in 2006 on compounded drug formulations for paediatric inpatients in Germany, it could be demonstrated that 5 years after the commencement of the EU regulation, there is still a lack of child-appropriate dosage forms, especially in the therapeutic area of cardiovascular drugs. Enalapril maleate (EM) was chosen from the substance class of ACEinhibitors since it is frequently used in paediatrics and, despite of comprehensive clinical studies is not available in a child-appropriate dosage form. For this drug substance that is generally used at very low dosages in children, liquid formulations were prepared and characterized. Here, a higher dosing accuracy was found in comparison to divided EM tablets and a flexible dose titration was enabled. Supplementary to published data on the stability of extemporaneous formulations prepared from market products, the shelf life of various EM solutions of pH values ranging from 3.5 to 5 was determined. In liquid formulations a shelf life of 5-6 months was achieved by a stability promoting, low pH and was suitable for extemporaneous preparations, but was too short for the use as a market product. Another objective of this study was to investigate whether the recently introduced platform technology of orodispersible mini-tablets (ODMTs) can be transferred to single-dosed EM formulations with low drug content. The tensile strength of the produced ODMTs ranged from 0.5 to 1.2 N/mm² and the tablets disintegrated within 1.7 to 10.5 s. A design of experiments was performed to evaluate the influence of the excipients on disintegration time, tensile strength, and stability of EM. A previously unpublished incompatibility of EM and ?-lactose monohydrate in combination with sodium stearylfumarate was observed. The stability of formulations made of the mannitol-based ready to use excipient Ludiflash® and magnesium stearate was comparable to market products. A direct compression of powder mixtures with low drug content resulted in high content variance, which was significantly higher in Ludiflash®-based ODMTs compared to FlowLac® 100-based ODMTs. Various approaches like wet and dry granulation or geometric blending were tested to improve content uniformity. This was successfully realized by roller compaction of the physical mixture at a specific compaction force of 4 kN/cm without separation of fines. By this means, ODMTs with 0.25 mg EM and less than 5% content variation could be produced from both mixtures. Thus, the developed methods enable the production of ODMTs with EM that comply with the recent pharmacopoeial requirements. Furthermore, the results can help transferring the ODMT-technology to low dose formulations with various drug substances. Beside content uniformity, the disintegration time of ODMTs is a safety relevant product characteristic, especially for paediatric patients. A novel disintegration test was developed for this new, rapidly disintegrating dosage form. The sample is stressed by a constant force of 0.13 N, which corresponds to the experimentally determined tongue force in adults. Starting and endpoint of the disintegration are precisely detected by changes of the electrical resistance. Investigations on the characteristics of human saliva were performed to develop a new, biorelevant disintegration medium. Hereby, a discriminative test method was established that provides a reliable determination of very short disintegration times of less than 2 s and shows a good correlation (r=0.983) with in vivo values. This study successfully proved for the first time the suitability of OMDTs as dosage forms with drug contents of less than 1 mg. The proposed formulations of 0.25, 0.50, and 1.25 mg EM provide child-appropriate, individual dosing in almost all paediatric subpopulations. On the basis of current knowledge, the newly developed ODMTs represent a safe and stable new dosage form for the treatment with EM. Future clinical studies in children shall investigate efficacy and safety of the new EM formulation.

Clinical Pharmacy Education, Practice and Research offers readers a solid foundation in clinical pharmacy and related sciences through contributions by 83 leading experts in the field from 25 countries. This book stresses educational approaches that empower pharmacists with patient care and research competencies. The learning objectives and writing style of the book focus on clarifying the concepts comprehensively for a pharmacist, from regular patient counseling to pharmacogenomics practice. It covers all interesting topics a pharmacist should know. This book serves as a basis to standardize and coordinate learning to practice, explaining basics and using self-learning strategies through online resources or other advanced texts. With an educational approach, it guides pharmacy students and pharmacists to learn quickly and apply. Clinical Pharmacy Education, Practice and Research provides an essential foundation for pharmacy students and pharmacists globally. Covers the core information needed for pharmacy practice courses Includes multiple case studies and practical situations with 70% focused on practical clinical pharmacology knowledge Designed for educational settings, but also useful as a refresher for advanced students and researchers

"Completely revised and expanded throughout. Presents a comprehensive integrated, sequenced approach to drug dosage formulation, design, and evaluation. Indentifies the pharmacodynamic and physicochemical factors influencing drug action through various routes of administration."

Skin Cancer: New Insights for the Healthcare Professional: 2013 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Diagnosis and Screening in a concise format. The editors have built Skin Cancer: New Insights for the Healthcare Professional: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Diagnosis and Screening in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Skin Cancer: New Insights for the Healthcare Professional: 2013 Edition has been produced by the world’s leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Since the publication of the first edition of Infectious Disease Management in Animal Shelters in 2009, research and practice in the field of shelter medicine have advanced significantly. This updated second edition of that seminal work provides the most up-to-date and comprehensive guide to preventing, managing, and treating infectious diseases affecting cats, dogs and exotic small companion mammals in animal shelters. Throughout the book, the authors—noted experts on the topic—bridge the gap between medicine (both individual and group) and management. The book is filled with practical strategies that draw on the latest research and evidence-based medicine as well as the authors’ personal experience in the field. While the text highlights strategies for the prevention of illness and mitigation of disease spread, the book also contains practical information on treatment and considerations for adoption. This important text: Offers

the only book dedicated to the topic of infectious disease management in shelters Presents guidelines for general management and disease prevention and control in cats and dogs Includes shelter medicine’s core principles of humane population management in the context of supporting shelters’ goals for preserving welfare, saving lives and protecting human health Contains a new chapter on exotic companion mammals Written for shelter veterinarians, managers, and workers, the revised second edition of Infectious Disease Management in Animal Shelters is the only book to focus exclusively on infectious diseases in the shelter setting, blending individual animal care with a unique herd health perspective.

This is the long-awaited third edition of the most comprehensive compilation of drug information resources available. A co-publication with the Medical Library Association, it draws on industry expert Bonnie Snow's 30+ years of experience with pharmaceutical information needs and applications. Snow reviews 400+ print and electronic resources.More than a bibliography, this readable guide brings together the best resources plus practical advice on everything from expert search techniques to core collections for libraries. Subject areas covered include: pharmaceutical technology; legal and regulatory issues world-wide; industrial pharmacy; market research; product guides and prescribing information in the global marketplace; drug interactions; drug effects on pregnancy, lactation, and reproduction; pharmacovigilance; and much, much more. Completely revised, reorganized, and updated, the third edition focuses on information sources not covered elsewhere. Absolutely unique in its value as both a desk reference and a text for classroom use or self-study, this edition manages to meet the needs of students, information professionals, health care providers, and pharmacy practitioners.

Das Lehrbuch und Nachschlagewerk für die Ausbildung von Pflegepersonal führt in das Grundwissen der Arzneimittellehre ein. Arzneimittelauswahl und -therapie orientieren sich an den Besonderheiten, die bei der Behandlung von älteren Menschen beachtet werden müssen.

With a shift toward problem-based learning and critical thinking in many health science fields, professional pharmacy training faces a shift in focus as well. Although the Accreditation Council for Pharmacy Education (ACPE) has recently suggested guidelines for problem solving to be better integrated into pharmacy curriculum, pharmacy books currently available either address this material inadequately or lack it completely. Theory and Practice of Contemporary Pharmaceutics addresses this problem by challenging pharmacy students to think critically in preparation for situations that arise in clinical practice. This book offers a wealth of up-to-date information, organized in a logical sequence, corresponding to the art and science required for formulators in industry and dispensing pharmacists in the community. It breaks down the subject to its simplest form and includes numerous examples, case studies, and problems. In addition to presenting basic scientific principles, each chapter includes a self-evaluation tutorial designed to help you evaluate your understanding of the subject matter, numerical problems that provide practice in finding mathematical solutions, and case studies that measure your overall grasp of the subject matter by challenging you to craft a plausible solution to a real-life scenario using the concepts presented in that chapter. Written by authors selected from academia, industry, and regulatory agencies, the book presents an objective and balanced view of pharmaceutical science and its application. The authors' insights are extremely helpful to pharmacy students as well as practicing pharmacists involved in the development and/or dispensation of existing and new generation biotechnology-based drug products. This simplified and user-friendly book will present pharmaceutics in a way that it has never been presented before and will help prepare students and pharmacists for the competitive and challenging nature of the professional market.

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Master the pharmacology essentials that health professionals need in practice! Pharmacology Made Simple: An Introduction for the Health Professions makes it easy to understand and apply pharmacology concepts in healthcare careers. Clear and concise, this text uses colorful illustrations, case scenarios, and memory devices to simplify learning and review questions to aid comprehension. An Evolve companion website includes animations of body systems, two practice exams for more self-testing, and printable drug tables. This exciting and practical new text helps you build professional skills and ensures your readiness for the workplace. Essential information is logically organized and easy to read, focusing on what you need to know. Engaging, reader-friendly format breaks down pharmacology into manageable chunks of information, accompanied by "flashcard" boxes and memory devices. Mini case studies in each chapter demonstrate real-world healthcare applications, with scenarios from a variety of health professions settings. Chapter review questions provide opportunities to assess your comprehension as you move forward. Full-color illustrations bring complex pharmacology concepts to life with realistic figures and drawings. Clinical Application and Alert features stress critical thinking and effective job preparation. Scenario and Alert features stress clinical application and safety. Focus on patient education helps you learn and practice key skills in professionalism. Chapter key terms and back-of-book glossary includes pharmacology terms cross-referenced to the chapters in which they are introduced and discussed. Additional learning resources include a study guide (available separately) and an Evolve companion website with animations, practice exams, and more. Chapter objectives guide your study by listing the chapter’s most important concepts.

Extemporaneous Formulations for Pediatric, Geriatric, and Special Needs PatientsASHP

This new edition brings you up-to-date on the role of pharmaceutics and its future paradigms in the design of medicines. Contributions from over 30 international thought leaders cover the core disciplines of pharmaceutics and the impact of biotechnology, gene therapy, and cell therapy on current findings. Modern Pharmaceutics helps you stay current

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. The guide pharmacists and students turn to first for cutting-edge coverage of drug information A Doody’s Core Title for 2019! The goal of Drug Information: A Guide for Pharmacists, Sixth Edition is to teach students

and practitioners how to effectively research, interpret, evaluate, collate, and disseminate drug information in the most efficient and effective manner possible. Updated to reflect the realities of today's practice, the book also addresses important issues such as the legal and ethical considerations of providing drug information. Drug Information: A Guide for Pharmacists begins by introducing the concept of drug information, including its history, and provides details on the various places drug information specialists may find employment. This is followed by information on how to answer a question, from the process of gathering necessary background information through determining the actual informational need, to answering the question. The chapter on drug information resources includes descriptions of the most commonly used references and contains new information on apps available to practitioners. As with past editions, practical examples are also provided. The Sixth Edition has been updated throughout, with chapters from previous editions rearranged to make the subject flow better. This edition is also enhanced by the addition of new chapters on journal clubs and counterfeit drugs/drug shortages. In addition, coverage of Policy Development, Project Design and Implementation has been greatly expanded.

Helps readers determine whether formulated compounds will be stable for the anticipated duration of use, properly store and repackage compounded formulations, formulate in accordance with documented standards, and counsel patients on the use and storage of medications.