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Preventing Medication Errors and Improving Drug Therapy Outcomes Feb 14 2023 Read this book in order to learn: Why medicines often fail to produce the desired result and how such failures can be avoided How to think about drug product safety and effectiveness How the main participants in a medications use system can improve outcomes and how professional and personal values, attitudes, and ethical reasoning fit into

Improving Patient Care Dec 12 2022 As innovations are constantly being developed within health care, it can be difficult both to select appropriate new practices and technologies and to successfully adopt them within complex organizations. It is necessary to understand the consequences of introducing change, how to best implement new procedures and techniques, how to evaluate success and to improve the quality of patient care. This comprehensive guide allows you to do just that. Improving Patient Care, 2nd edition provides a structure for professionals and change agents to implement better practices in health care. It helps health professionals, managers, policy makers and researchers to assess new techniques and select and implement change in their organizations. This new edition includes recent evidence and further coverage on patient safety and patient centred strategies for change. Written by an international expert author team, Improving Patient Care is an established standard text for postgraduate students of health policy, health services and health management. The strong author team are global professors involved in managing research and development in the field of quality improvement, evidence-based practice and guidelines, quality assessment and indicators to improve patient outcomes through receiving appropriate healthcare.

Improving Medication Administration and Patient Outcomes by Decreasing Avoidable Interruptions Jun 06 2022 This Clinical Nurse Leader (CNL) project took place at a level I trauma center in the San Francisco Bay Area, on a 34-bed Medical Surgical, Behavioral Medicine and Acute Care for the Elderly (ACE) Specialty Unit. The goal was to improve the adverse events made during medication administration, which in turn reduces medical error costs and improves patient outcomes and patient safety. A review of the literature revealed several key points: (1) Medication errors are increasingly recognized as a significant, but preventable problem in our health care system, (2) Interruptions are implicated as a cause of clinical error, (3) Medication errors are associated with excess health care costs and most importantly, (4) Harm to the patient (Westbrook, Woods, Rob, Dunsmuir, & Day, 2010). Project data was gathered from a variety of sources, including interviews with key stakeholders, unit observations and assessment, and staff and patient surveys. Interventions included informational posters, nurse and unit clerk education at staff meetings, identification of unit specific interruption patterns, face-to-face conversations, and distribution of educational packets. The pre-intervention survey of the day shift and night shift registered nurses (RN) (n=20) found that when asked how often a nurse was interrupted during each medication administration, 45% of the unit RNs reported they were "Usually (45-89%)" interrupted. In the same survey, 25% of the RNs reported "Always (90-100%)" being interrupted and 30% reported only being interrupted "Sometimes (1-44%)". During a two-day pre-intervention observation of the unit clerk, 63 interruptions were observed during the medication administration time period of 8:00AM -- 10:00AM. Of those 63 interruptions, 41 of those phone calls, pages and call lights were considered emergent, needing a nurse to be paged, while 22 of those interruptions were non-emergent. Although the post-intervention observation showed more phone call interruptions, the ratio of emergent calls and non-emergent calls showed that there was still a reduction of 6% in the interruptions to the nurses. The use of the triage algorithm for phone calls, pages and call lights aided in the reduction of disruptions. These results indicated that the interventions were successful, however there is a need to promote staff diligence and compliance for the use of the phone triage algorithm, message sheet, medication administration sign up sheet, and overhead announcement. A sustainability plan, including recommendations were presented to the unit nurse manager and the entire staff.

Approaches to Drug Insurance Design Feb 19 2021

Strengthening Forensic Science in the United States Jun 13 2020 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.

Children and Drug Safety Jul 15 2020 Winner of the 2018 Arthur J. Viseltear Award from the Medical Care Section of the American Public Health Association? Children and Drug Safety traces the development, use, and marketing of drugs for children in the twentieth century, a history that sits at the interface of the state, business, health care providers, parents, and children. This book illuminates the historical dimension of a clinical and policy issue with great contemporary significance—many of the drugs administered to children today have never been tested for safety and efficacy in the pediatric population. Each chapter of Children and Drug Safety engages with major turning points in pediatric drug development; themes of children's risk, rights, protection and the evolving context of childhood; child-rearing; and family life in ways freighted with nuances of race, class, and gender. Cynthia A. Connolly charts the numerous attempts by Congress, the Food and Drug Administration, the American Academy of Pediatrics, and leading pediatric pharmacologists, scientists, clinicians, and parents to address a situation that all found untenable. Open access edition funded by the National Endowment for the Humanities. The text of this book is licensed under a Creative Commons Attribution NonCommercial-NoDerivatives 4.0 International License: https://creativecommons.org/licenses/by-nc-nd/4.0/

Side Effects May 25 2021 An investigative journalist for the Boston Globe probes the controversy over increased suicide rates among teenagers taking common antidepressants, focusing on the efforts of a whistle-blower and the New York State Attorney General's office to bring an unprecedented lawsuit against the maker of Paxil that changed the way drugs are tested, sold, and marketed.

Powerful Medicines Aug 16 2020 If you believe that the latest blockbuster medication is worth a premium price over your generic brand, or that doctors have access to all the information they need about a drug's safety and effectiveness each time they write a prescription, Dr. Jerry Avorn has some sobering news. Drawing on more than twenty-five years of patient care, teaching, and research at Harvard Medical School, he shares his firsthand experience of the wide gap in our knowledge of the effectiveness of one medication as compared to another. In Powerful Medicines, he reminds us that every pill we take represents a delicate compromise between the promise of healing, the risk of side effects, and an increasingly daunting price. The stakes on each front grow higher every year as new drugs with impressive power, worrisome side effects, and troubling costs are introduced. This is a comprehensive behind-the-scenes look at issues that affect everyone: our shortage of data comparing the worth of similar drugs for the same condition; alarming lapses in the detection of lethal side effects; the underuse of life-saving medications; lavish marketing campaigns that influence what doctors prescribe; and the resulting upward spiral of costs that places vital drugs beyond the reach of many Americans. In this engagingly written book, Dr. Avorn asks questions that will interest every consumer: How can a product judged safe by the Food and Drug Administration turn out to have unexpectedly lethal side effects? Why has the nation's drug bill been growing at nearly 20 percent per year? How can physicians and patients pick the best medication in its class? How do doctors actually make their prescribing decisions, and why do those decisions sometimes go wrong? Why do so many Americans suffer preventable illnesses and deaths that proper drug use could have averted? How can the nation gain control over its escalating drug budget without resorting to rationing or draconian governmental controls? Using clinical case histories taken from his own work as a practitioner, researcher, and advocate, Dr. Avorn demonstrates the impressive power of the well-conceived prescription as well as the debacles that can result when medications are misused. He describes an innovative program that employs the pharmaceutical industry's own marketing techniques to reduce use of some of the most overprescribed and overpriced products. Powerful Medicines offers timely and practical advice on how the nation can improve its drug-approval process, and how patients can work with doctors to make sure their prescriptions are safe, effective, and as affordable as possible. This is a passionate and provocative call for action as well as a compelling work of clear-headed science.

Preventing Medication Errors Nov 11 2022 In 1996 the Institute of Medicine launched the Quality Chasm Series, a series of reports focused on assessing and improving the nation's quality of health care. Preventing Medication Errors is the newest volume in the series. Responding to the key messages in earlier volumes of the seriesâ€"To Err Is Human (2000), Crossing the Quality Chasm (2001), and Patient Safety (2004)â€"this book sets forth an agenda for improving the safety of medication use. It begins by providing an overview of the system for drug development, regulation, distribution, and use. Preventing Medication Errors also examines the peer-reviewed literature on the incidence and the cost of medication errors and the effectiveness of error prevention strategies. Presenting data that will foster the reduction of medication errors, the book provides action agendas detailing the measures needed to improve the safety of medication use in both the short- and long-term. Patients, primary health care providers, health care organizations, purchasers of group health care, legislators, and those affiliated with providing medications and medication- related products and services will benefit from this guide to reducing medication errors.

Textbook of Patient Safety and Clinical Risk Management Oct 10 2022 Implementing safety practices in healthcare saves lives and improves the quality of care: it is therefore vital to apply good clinical practices, such as the WHO surgical checklist, to adopt the most appropriate measures for the prevention of assistance-related risks, and to identify the potential ones using tools such as reporting & learning systems. The culture of safety in the care environment and of human factors influencing it should be developed from the beginning of medical studies and in the first years of professional practice, in order to have the maximum impact on clinicians' and nurses' behavior. Medical errors tend to vary with the level of proficiency and experience, and this must be taken into account in adverse events prevention. Human factors assume a decisive importance in resilient organizations, and an understanding of risk control and containment is fundamental for all medical and surgical specialties. This open access book offers recommendations and examples of how to improve patient safety by changing practices, introducing organizational and technological innovations, and creating effective, patient-centered, timely, efficient, and equitable care systems, in order to spread the quality and patient safety culture among the new generation of healthcare professionals, and is intended for residents and young professionals in different clinical specialties.

Medication Safety Apr 04 2022 Medication safety is the most challenging goal for pharmacy practice and patient safety professionals in all health care facilities.

FDA Consumer Sep 16 2020

The Future of Nursing Jun 25 2021 The Future of Nursing explores how nurses' roles, responsibilities, and education should change significantly to meet the increased demand for care that will be created by health care reform and to advance improvements in America's increasingly complex health system. At more than 3 million in number, nurses make up the single largest segment of the health care work force. They also spend the greatest amount of time in delivering patient care as a profession. Nurses therefore have valuable insights and unique abilities to contribute as partners with other health care professionals in improving the quality and safety of care as envisioned in the Affordable Care Act (ACA) enacted this year. Nurses should be fully engaged with other health professionals and assume leadership roles in redesigning care in the United States. To ensure its members are well-prepared, the profession should institute residency training for nurses, increase the percentage of nurses who attain a bachelor's degree to 80 percent by 2020, and double the number who pursue doctorates. Furthermore, regulatory and institutional obstacles-including limits on nurses' scope of practice-should be removed so that the health system can reap the full benefit of nurses' training, skills, and knowledge in patient care. In this book, the Institute of Medicine makes recommendations for an action-oriented blueprint for the future of nursing.

Drug Safety in Developing Countries Mar 15 2023 Drug Safety in Developing Countries: Achievements and Challenges provides comprehensive information on drug safety issues in developing countries. Drug safety practice in developing countries varies substantially from country to country. This can lead to a rise in adverse reactions and a lack of reporting can exasperate the situation and lead to negative medical outcomes. This book documents the history and development of drug safety systems, pharmacovigilance centers and activities in developing countries, describing their current situation and achievements of drug safety practice. Further, using extensive case studies, the book addresses the challenges of drug safety in developing countries. Provides a single resource for educators, professionals, researchers, policymakers, organizations and other readers with comprehensive information and a guide on drug safety related issues Describes current achievements of drug safety practice in developing countries Addresses the challenges of drug safety in developing countries Provides recommendations, including practical ways to implement strategies and

overcome challenges surrounding drug safety

Medication Reconciliation Aug 20 2023 Tired of medication reconciliation headaches? Your remedy is here! Inadequate reconciliation is a significant source of preventable medication errors nationwide. Most hospitals have implemented medication reconciliation plans, but are still struggling with obstacles such as lack of communication, resistance to change, and evolving standards and regulations. Is medication reconciliation a headache for your organization? It's been several years since The Joint Commission made medication reconciliation a National Patient Safety Goal, but it's not getting any easier, as facilities adopt electronic forms and The NPSG continues to evolve. Furthermore, since that time, they have made significant changes to the scoring and the goal itself. Medication Reconciliation: Practical Strategies and Tools for Joint Commission Compliance, Second Edition, gives you best practices, step-by-step guidance, forms, and advice to: - Reduce medication errors - Streamline the process - Boost compliance - Fine tune policies and tools - Address problem areas - Comply with the latest Joint Commission and CAMH standards With the help of this book and bonus CD-ROM, you will: - Learn from the best practices of your peers - Obtain buy-in from physicians and directors - Train staff in all areas - Build an effective team approach - Improve documentation - Gather quality data Who will benefit from this helpful resource? Hospitals Healthcare systems Pharmacies Quality improvement Patient Safety Survey Committee Chief Nursing Officer Director/VP of Nursing Quality Manager/Director Pharmacy staff/director Risk Manager Survey Committee leader/team member

Gahart's 2018 Intravenous Medications Mar 03 2022 Learn to administer more than 400 intravenous drugs safely and effectively with the #1 IV drug handbook! Now in its 34th edition, Gahart’s 2018 Intravenous Medications: A Handbook for Nurses and Health Professionals continues to be a trusted resource for its accuracy, quick-reference format, and comprehensive coverage of IV drugs. The latest edition includes approximately 15 important new drug monographs, along with updates to existing monographs. Each drug listing includes its generic name, trade name(s), drug category, pH, dosages and dose adjustments, dilution, incompatibilities, rate of administration, actions, indications and uses, contraindications, precautions, drug/lab interactions, side effects, and antidote. This user-friendly book contains all of the clinically relevant information you’ll need for the safe administration of IV drugs. UNIQUE! Annual publication ensures that information includes the most recently approved IV drugs, as well as updated information on more than 400 existing drugs. 40-year history of impeccable accuracy reinforces the importance of safe IV drug administration. UNIQUE! Time-tested, easy-to-use page layout keeps all dosage information for each drug on either a single page or a two-page spread to prevent hand contamination by having to turn a page. Black Box Warnings and key content highlighted to make locating key information fast and easy. Dilution and dosage charts within monographs provide quick access to essential clinical information. Convenient, alphabetical format organizes all drug monographs by generic name, allowing you to find any drug in seconds. Do Not Confuse With information is added at the top of each applicable monograph to enhance medication safety. Reorganized drug side effects reflect the latest information on frequency, seriousness, and other important considerations. Alphabetical thumb tabs on the left-hand pages make it easier to look up drug monographs. Special circumstances highlighted in blue-screened text call attention to important circumstances that may not warrant black box warnings. Age-specific dosage variances are highlighted for geriatric, pediatric, infant, and neonatal patients. NEW! Approximately 15 new drug monographs provide current, clinically relevant drug information for new IV drugs recently approved by the FDA. NEW! Updated drug monographs throughout reflect the latest changes in IV drug therapy.

Vignettes in Patient Safety Oct 30 2021 Medical errors contribute significantly to morbidity and mortality across our healthcare institutions. Due to the increasing complexity of the modern medical practice, a perfect storm of regulatory, market, social, and technical factors, and other competing priorities, created an environment that is primed for patient safety lapses. The spectrum of contributing variables - ranging from minor errors that subsequently escalate, poor communication, and protocol/process non-compliance (just to name a few) - is extensive and solutions are only recently being described. As such, there is a growing body of research and experiences that can help provide an organized framework - based on best practices and evidence-based medical principles - for healthcare organizations to develop, implement, and embrace. Based on the tremendous interest in the initial three volumes of our Vignettes in Patient Safety series, this fourth volume follows a similar model of outlining a patient safety case based on experiences that many clinicians can relate to, and then discusses various factors that may have contributed to a medical error, complication, and/or poor outcome. Building on a problem-based clinical vignette, each chapter then outlines an evidence-based approach to present any related literature, pertinent evidence, and potential contributing factors and solutions to common patient safety occurrences. By focusing on some of the best practices, structured experiences, and objective approaches to medical error genesis, the authors and editors hopefully can lend some insights into how we can make healthcare encounters for all patients, across all settings, better and safer.

The Future of Drug Safety Apr 23 2021 In the wake of publicity and congressional attention to drug safety issues, the Food and Drug Administration (FDA) requested the Institute of Medicine assess the drug safety system. The committee reported that a lack of clear regulatory authority, chronic underfunding, organizational problems, and a scarcity of post-approval data about drugs' risks and benefits have hampered the FDA's ability to evaluate and address the safety of prescription drugs after they have reached the market. Noting that resources and therefore efforts to monitor medications' riskâ€"benefit profiles taper off after approval, The Future of Drug Safety offers a broad set of recommendations to ensure that consideration of safety extends from before product approval through the entire time the product is marketed and used.

Crossing the Quality Chasm Aug 08 2022 Second in a series of publications from the Institute of Medicine's Quality of Health Care in America project Today's health care providers have more research findings and more technology available to them than ever before. Yet recent reports have raised serious doubts about the quality of health care in America. Crossing the Quality Chasm makes an urgent call for fundamental change to close the quality gap. This book recommends a sweeping redesign of the American health care system and provides overarching principles for specific direction for policymakers, health care leaders, clinicians, regulators, purchasers, and others. In this comprehensive volume the committee offers: A set of performance expectations for the 21st century health care system. A set of 10 new rules to guide patient-clinician relationships. A suggested organizing framework to better align the incentives inherent in payment and accountability with improvements in quality. Key steps to promote evidence-based practice and strengthen clinical information systems. Analyzing health care organizations as complex systems, Crossing the Quality Chasm also documents the causes of the quality gap, identifies current practices that impede quality care, and explores how systems approaches can be used to implement change.

Promoting Safety of Medicines for Children Jan 01 2022 Monitoring the safety of medicine use in children is of paramount importance since during the clinical development of medicines only limited data on this aspect are generated through clinical trials. Use of medicines outside the specifications described in the license (e.g. in terms of formulation indications contraindications or age) constitutes off-label and off-license use and these are a major area of concern. These guidelines are intended to improve awareness of medicine safety issues among everyone who has an interest in the safety of medicines in children and to provide guidance on effective systems for monitoring medicine safety in pediatric populations. This book will be of interest to all health care professionals medicine regulatory authorities pharmacovigilance centres academia the pharmaceutical industry and policy-makers. Systems for monitoring medicine safety are described in Annex 1. Pharmacovigilance methods and some examples of recent information on adverse reactions to marketed medicines are discussed in Annex 2.

Health IT and Patient Safety Jul 07 2022 IOM's 1999 landmark study To Err is Human estimated that between 44,000 and 98,000 lives are lost every year due to medical errors. This call to action has led to a number of efforts to reduce errors and provide safe and effective health care. Information technology (IT) has been identified as a way to enhance the safety and effectiveness of care. In an effort to catalyze its implementation, the U.S. government has invested billions of dollars toward the development and meaningful use of effective health IT. Designed and properly applied, health IT can be a positive transformative force for delivering safe health care, particularly with computerized prescribing and medication safety. However, if it is designed and applied inappropriately, health IT can add an additional layer of complexity to the already complex delivery of health care. Poorly designed IT can introduce risks that may lead to unsafe conditions, serious injury, or even death. Poor human-computer interactions could result in wrong dosing decisions and wrong diagnoses. Safe implementation of health IT is a complex, dynamic process that requires a shared responsibility between vendors and health care organizations. Health IT and Patient Safety makes recommendations for developing a framework for patient safety and health IT. This book focuses on finding ways to mitigate the risks of health IT-assisted care and identifies areas of concern so that the nation is in a better position to realize the potential benefits of health IT. Health IT and Patient Safety is both comprehensive and specific in terms of recommended options and opportunities for public and private interventions that may improve the safety of care that incorporates the use of health IT. This book will be of interest to the health IT industry, the federal government, healthcare providers and other users of health IT, and patient advocacy groups.

Patient Safety and Quality Jun 18 2023 "Nurses play a vital role in improving the safety and quality of patient car -- not only in the hospital or ambulatory treatment facility, but also of community-based care and the care performed by family members. Nurses need know what proven techniques and interventions they can use to enhance patient outcomes. To address this need, the Agency for Healthcare Research and Quality (AHRQ), with additional funding from the Robert Wood Johnson Foundation, has prepared this comprehensive, 1,400-page, handbook for nurses on patient safety and quality -- Patient Safety and Quality: An Evidence-Based Handbook for Nurses. (AHRQ Publication No. 08-0043)." - online AHRQ blurb, http://www.ahrq.gov/qual/nurseshdbk/

Medication Safety Officer's Handbook Apr 16 2023 Whether you're new to medication safety or an experienced Medication Safety Officer, this guide will be an invaluable resource. The Medication Safety Officer's Handbook offers expert guidance in every area of your work, from setting up safety systems to dealing with personnel problems, along with sample forms, checklists and other job tools.

Medications in Pediatrics Apr 11 2020 This new compendium contains AAP clinical practice guidelines, policy statements, clinical reports, and technical reports related to the use of medications in the pediatric population. It is designed to be a handy reference to AAP policies and recommended best practices. Sections include Pediatric Drug Principles Allergy/Asthma Management Contraception Emergency Care Infections Mental Health Management Substance Use Issues Neonatal Care Pain Management Plus much more...

Human Error in Medicine Dec 20 2020 This edited collection of articles addresses aspects of medical care in which human error is associated with unanticipated adverse outcomes. For the purposes of this book, human error encompasses mismanagement of medical care due to: * inadequacies or ambiguity in the design of a medical device or institutional setting for the delivery of medical care; * inappropriate responses to antagonistic environmental conditions such as crowding and excessive clutter in institutional settings, extremes in weather, or lack of power and water in a home or field setting; * cognitive errors of omission and commission precipitated by inadequate information and/or situational factors -- stress, fatigue, excessive cognitive workload. The first to address the subject of human error in medicine, this book considers the topic from a problem oriented, systems perspective; that is, human error is considered not as the source of the problem, but as a flag indicating that a problem exists. The focus is on the identification of the factors within the system in which an error occurs that contribute to the problem of human error. As those factors are identified, efforts to alleviate them can be instituted and reduce the likelihood of error in medical care. Human error occurs in all aspects of human activity and can have particularly grave consequences when it occurs in medicine. Nearly everyone at some point in life will be the recipient of medical care and has the possibility of experiencing the consequences of medical error. The consideration of human error in medicine is important because of the number of people that are affected, the problems incurred by such error, and the societal impact of such problems. The cost of those consequences to the individuals involved in medical error, both in the health care providers' concern and the patients' emotional and physical pain, the cost of care to alleviate the consequences of the error, and the cost to society in dollars and in lost personal contributions, mandates consideration of ways to reduce the likelihood of human error in medicine. The chapters were written by leaders in a variety of fields, including psychology, medicine, engineering, cognitive science, human factors, gerontology, and nursing. Their experience was gained through actual hands-on provision of medical care and/or research into factors contributing to error in such care. Because of the experience of the chapter authors, their systematic consideration of the issues in this book affords the reader an insightful, applied approach to human error in medicine -- an approach fortified by academic discipline.

Basic Principles of Drug Discovery and Development Nov 18 2020 Basic Principles of Drug Discovery and Development presents the multifaceted process of identifying a new drug in the modern era, which requires a multidisciplinary team approach with input from medicinal chemists, biologists, pharmacologists, drug metabolism experts, toxicologists, clinicians, and a host of experts from numerous additional fields. Enabling technologies such as high throughput screening, structure-based drug design, molecular modeling, pharmaceutical profiling, and translational medicine are critical to the successful development of marketable therapeutics. Given the wide range of disciplines and techniques that are required for cutting edge drug discovery and development, a scientist must master their own fields as well as have a fundamental understanding of their collaborator’s fields. This book bridges the knowledge gaps that invariably lead to communication issues in a new scientist’s early career, providing a fundamental understanding of the various techniques and disciplines required for the multifaceted endeavor of drug research and development. It provides students, new industrial scientists, and academics with a basic understanding of the drug discovery and development process. The fully updated text provides an excellent overview of the process and includes chapters on important drug targets by class, in vitro screening methods, medicinal chemistry strategies in drug design, principles of in vivo pharmacokinetics and pharmacodynamics, animal models of disease states, clinical trial basics, and selected business aspects of the drug discovery process. Provides a clear explanation of how the pharmaceutical industry works, as well as the complete drug discovery and development process, from obtaining a lead, to testing the bioactivity, to producing the drug, and protecting the intellectual property Includes a new chapter on the discovery and development of biologics (antibodies proteins, antibody/receptor complexes, antibody drug conjugates), a growing and important area of the pharmaceutical industry landscape Features a new section on formulations, including a discussion of IV formulations suitable for human clinical trials, as well as the application of nanotechnology and the use of

transdermal patch technology for drug delivery Updated chapter with new case studies includes additional modern examples of drug discovery through high through-put screening, fragment-based drug design, and computational chemistry

Advances in Patient Safety Jul 19 2023 v. 1. Research findings -- v. 2. Concepts and methodology -- v. 3. Implementation issues -- v. 4. Programs, tools and products.

Medication Errors Aug 28 2021

Field Guide to Wilderness Medicine E-Book Nov 30 2021 Based on Dr. Auerbach’s renowned Wilderness Medicine text, Field Guide to Wilderness Medicine, 5th Edition, is your portable, authoritative guide to the full range of medical and emergency situations that occur in non-traditional settings. Useful for experienced physicians as well as advanced practice providers, this unique medical guide covers an indispensable range of topics in a well-illustrated, highly condensed format – in print or on any mobile device – for quick access anytime, anywhere. An easy-access presentation ensures rapid retrieval and comprehension of wilderness medical information, with "Signs and Symptoms" and "Treatment" sections, bulleted lists, and quick-reference text boxes in every chapter. All chapters are thoroughly up to date, including new information on travel medicine, medications, immunizations, and field treatment of common conditions. Step-by-step explanations from wilderness medicine experts cover the clinical presentation and treatment of a full range of wilderness emergencies and show you how to improvise with available materials. Comprehensive coverage includes dive medicine and water-related emergencies, mountain medicine and wilderness survival, global humanitarian relief and disaster medicine, high-altitude medicine, pain management, and much more. Line drawings and color plates help you quickly an accurately identify skin manifestations, plants, poisonous mushrooms, snakes, insects, and more. Useful appendices address everything from environment-specific situations to lists of essential supplies, medicines, and many additional topics of care.

Health Care Errors and Patient Safety Sep 09 2022 The detection, reporting, measurement, and minimization of medical errors and harms is now a core requirement in clinical organizations throughout developed societies. This book focuses on this major new area in health care. It explores the nature of medical error, its incidence in different health care settings, and strategies for minimizing errors and their harmful consequences to patients. Written by leading authorities, it discusses the practical issues involved in reducing errors in health care - for the clinician, the health policy adviser, and ethical and legal health professionals.

To Err Is Human May 17 2023 Experts estimate that as many as 98,000 people die in any given year from medical errors that occur in hospitals. That's more than die from motor vehicle accidents, breast cancer, or AIDSâ€"three causes that receive far more public attention. Indeed, more people die annually from medication errors than from workplace injuries. Add the financial cost to the human tragedy, and medical error easily rises to the top ranks of urgent, widespread public problems. To Err Is Human breaks the silence that has surrounded medical errors and their consequenceâ€"but not by pointing fingers at caring health care professionals who make honest mistakes. After all, to err is human. Instead, this book sets forth a national agendaâ€"with state and local implicationsâ€"for reducing medical errors and improving patient safety through the design of a safer health system. This volume reveals the often startling statistics of medical error and the disparity between the incidence of error and public perception of it, given many patients' expectations that the medical profession always performs perfectly. A careful examination is made of how the surrounding forces of legislation, regulation, and market activity influence the quality of care provided by health care organizations and then looks at their handling of medical mistakes. Using a detailed case study, the book reviews the current understanding of why these mistakes happen. A key theme is that legitimate liability concerns discourage reporting of errorsâ€"which begs the question, "How can we learn from our mistakes?" Balancing regulatory versus market-based initiatives and public versus private efforts, the Institute of Medicine presents wide-ranging recommendations for improving patient safety, in the areas of leadership, improved data collection and analysis, and development of effective systems at the level of direct patient care. To Err Is Human asserts that the problem is not bad people in health careâ€"it is that good people are working in bad systems that need to be made safer. Comprehensive and straightforward, this book offers a clear prescription for raising the level of patient safety in American health care. It also explains how patients themselves can influence the quality of care that they receive once they check into the hospital. This book will be vitally important to federal, state, and local health policy makers and regulators, health professional licensing officials, hospital administrators, medical educators and students, health caregivers, health journalists, patient advocatesâ€"as well as patients themselves. First in a series of publications from the Quality of Health Care in America, a project initiated by the Institute of Medicine

Medication Safety Mar 23 2021 The supply and administration of medicines is an area of practice in which a number of healthcare professionals (e.g. nurses, pharmacists and allied health professionals) are involved. Prescribing is a relatively new role which many of these healthcare professionals have adopted. Medication Safety focuses on promoting safety in the delivery of medicines. Chapters explore the various stages in the medication process including safety in prescribing, dispensing and administering drugs. Adverse reactions, parenteral administration, dosage calculations, safety with controlled drugs, and reporting errors and near misses are all addressed in evidence-based contributions from a highly experienced team of contributors. This text is essential reading for all healthcare professionals involved in the delivery of medicines to patients.

Medication Errors Jan 21 2021 In this expanded 600+ page edition, Dr. Cohen brings together some 30 experts from pharmacy, medicine, nursing, and risk management to provide the most current thinking about the causes of medication errors and strategies to prevent them.

Competence Assessment Tools for Health-System Pharmacies May 05 2022 Since its original publication, Competence Assessment Tools for Health-System Pharmacies has continued to meet the changing needs of pharmacy directors and their staff. Designed as a complete human resource competence assessment program, this benchmark resource ensures pharmacies comply with the competence assessment standards of The Joint CommissionÔ. Newly updated and revised, Competence Assessment provides practical tools to assess and document an employee’s ability to perform assigned duties and meet Joint Commission human resource requirements. Save time and increase efficiency with this essential tool that supplements and reinforces staff knowledge in key competency areas. New to the Fourth Edition: Enhanced CD-ROM allows you to easily adapt many of the forms for your own practice including the job descriptions and orientation record. • Updated resources for customizing job descriptions, including job description, competence assessment summary, and performance evaluation templates for a Pharmacy Purchasing Technician. • Inclusion of a study guide for the emergency management chapter. • New chapters on intravenous to oral therapy conversion and antibiotic streamlining. • Expanded information in the hazardous materials chapter including the requirements of the Resource Conservation and Recovery Act (RCRA) and practice recommendations from the National Institute for Occupational Safety and Health (NIOSH) and ASHP. • Updated controlled substances chapter including information about the Combat Methamphetamine Epidemic Act. • New test questions in many chapters including use of a patient case report format for tests in the clinically-oriented chapters.

Toxicity Bibliography May 13 2020

Medication Safety during Anesthesia and the Perioperative Period Sep 28 2021 Covers how and why medication failures occur in anesthesia and the perioperative period, with essential information on safety interventions.

2018 Intravenous Medications Jan 13 2023

Drug-induced Diseases Oct 18 2020 Since the first edition of this book was published in 2005, drug therapy has seen both breakthrough advances and sobering setbacks. The changes will continue. That's why every health care professional, hospital and health system, pharmacy, and medical school needs this invaluable reference. It will help you detect, prevent and manage drug-related diseases. And also remind you to always ask yourself the increasingly critical question: "Could this disease be drug-related?"

The Nurse's Role in Medication Safety Jul 27 2021 Written especially for nurses in all disciplines and health care settings, this second edition of The Nurses's Role in Medication Safety focuses on the hands-on role nurses play in the delivery of care and their unique opportunity and responsibility to identify potential medication safety issues. Reflecting the contributions of several dozen nurses who provided new and updated content, this book includes strategies, examples, and advice on how to: * Develop effective medication reconciliation processes * Identify and address causes of medication errors * Encourage the reporting of medication errors in a safe and just culture * Apply human factors solutions to medication management issues and the implementation of programs to reduce medication errors * Use technology (such as smart pumps and computerized provider order entry) to improve medication safety * Recognize the special issues of medication safety in disciplines such as obstetrics, pediatrics, geriatrics, and oncology and within program settings beyond large urban hospitals, including long term care, behavioral health care, critical access hospitals, and ambulatory care and office-based surgery

Mosby's 2021 Nursing Drug Reference E-Book Feb 02 2022 Trusted for over 25 years, this portable, full-color drug reference is easy to navigate and provides safety features that help you practice knowledgeable, safe medication dispensing. Content on more than 5,000 generic and brand-name drugs covers almost every drug you are likely to encounter in clinicals. Side effects information, logically organized by body system and identified as common or life threatening, shows you the important and intricate signs to watch for during assessments. This guide also includes complete pharmacokinetic tables that explain the mechanism and absorption of the drug as well as the action, duration, and excretion of the drug. Whether you’re in the classroom or in clinicals, Mosby's 2021 Nursing Drug Reference, 34th Edition is the all-in-one drug reference you need. Content on more than 5,000 generic and brand-name drugs covers almost every drug you will encounter in clinicals. A Safety Alert feature icon highlights the most critical interactions and side effects that you must be aware of during clinicals. A Black Box Warning feature alerts you to FDA warnings of potentially life-threatening reactions. Bold heading and details on IV drug administration so students can easily find appropriate dosage and IV instructions to help them administer these drugs safely. Side effects information is logically organized by body system and identified as common or life threatening, alerting students to the signs to watch for during assessments. Nursing Process Framework organizes all nursing care steps so students learn how to easily and completely incorporate the nursing process into their clinical experiences. Cross-reference headers in the book listings and in the appendicies make it easier to find the drug content quickly and less likely that students will think a drug is missing if it’s not first found in the book. Complete pharmacokinetic tables explain the mechanism and absorption of the drug, as well as the action, duration, and excretion of the drug. NEW! Approximately 25 monographs on newly released, FDA-approved drugs give you the intricate details you need both in the classroom and clinicals. Each monograph includes new interactions, precautions, alerts, patient teaching instructions, and other need-to-know information — so you’ll feel confident in the accuracy of the information and in preventing medication dispensing errors. NEW! Up-to-date content on drug therapies provides you with instant access to the latest information.

- Psychology 12th Carole Wade
- A Hidden Wholeness The Journey Toward An Undivided Life Parker J Palmer
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- Pearson Microeconomics Solutions
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