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Regulatory Intelligence as the Basis for Regulatory Strategy and Global Drug Development - Petra Heyen 2011-03-14
Master's Thesis from the year 2004 in the subject Health - Miscellaneous, grade: sehr gut, University of Bonn (Mathematisch-Naturwissenschaftliche Fakultät), language: English, abstract: The Regulatory Affairs (RA) department is a key discipline in the global network of drug development. During drug development, regulatory strategy is one crucial success factor for the approval of the development candidate. Also, regulatory strategy can optimise labelling in the key countries in order to maximise the market success. No submission and approval would be possible without the appropriate dossier composition and compilation. Without adherence to the respective guidance documents and scientific advice from Health Authorities to design the optimal clinical development plan, optimal labelling would not be feasible. These two examples show some characteristics of the regulatory strategy: it is highly interactive with other disciplines and it is heavily based on a thorough intelligence work which enables the RA Manager to know the "rules of the game" and to develop the optimal regulatory strategy for the current development candidate. The major cornerstone for developing a regulatory strategy is regulatory intelligence. This document focuses on regulatory intelligence. The regulatory contributions to the global drug development from early research to submission are described. Strategies for generic drugs as well as detailed strategies for life-cycle management are excluded. Major components of regulatory intelligence are: - Competitor Information - Information on Regulatory Environment - Information on Legal Requirements Competitor analysis is an essential aspect of the intelligence work. Sources of competitive information as well as relevant items of competitive information are described. Sources of information about the regulatory environment and sources of information about the legal regulatory environment are described and their tremendous impact on setting up and modify
Handbook Of Medical Statistics - Fang Ji-qian 2017-07-28
This unique volume focuses on the "tools" of medical statistics. It contains over 500 concepts or methods, all of which are explained very clearly and in detail. Each chapter focuses on a specific field and its applications. There are about 20 items in each chapter with each item independent of one another and explained within one page (plus references). The structure of the book makes it extremely handy for solving targeted problems in this area. As the goal of the book is to encourage students to learn more combinatorics, every effort has been made to provide them with a not only useful, but also enjoyable and engaging reading. This handbook plays the role of "tutor" or "advisor" for teaching and further learning. It can also be a useful source for "MOOC-style teaching".
Antibiotic Policies - Ian M. Gould 2006-01-26
For 50 years, antibiotics have been dispensed like sweets. This must not be allowed to continue. This unique book assembles contributions from experts around the world concerned with responsible use of antibiotics and the consequences of overuse. For the first time, it provides up to the minute texts on both the theoretical aspects of antibiotic stewardship and the practical aspects of its implementation, with consideration of the key differences between developed and developing countries. All concerned with teaching, practice and administration of clinical medicine, surgery, pharmacy, public health, clinical pharmacology, microbiology, infectious diseases and clinical therapeutics will find Antibiotic Policies: Theory and Practice essential reading. Antibiotic use and resistance is not just the responsibility of specialists in the field but the responsibility of all doctors, pharmacists, nurses, healthcare administrators, patients and the general public.
Martindale - Sean C. Sweetman 2006-01-01
This is thirty-fifth edition of Martindale, which provides reliable, and evaluated information on drugs and medicines used throughout the world. It contains encyclopaedic facts about drugs and medicines, with: 5,500 drug monographs; 128,000 preparations; 40,700 reference citations; 10,900 manufacturers. There are synopses of disease treatments which enables identification of medicines, the local equivalent and the manufacturer. It also Includes herbals, diagnostic agents, radiopharmaceuticals, pharmaceutical excipients, toxins, and poisons as well as drugs and medicines. Based on published information and extensively referenced
Pharmacoepidemiology - Brian L. Strom 2012-03-05
Now in its fifth edition, Pharmacoepidemiology defines the discipline and provides the most comprehensive guidance of any book on the topic. Written by world renowned experts in the field, this valuable text surveys the research designs and sources of data available for pharmacoepidemiologic research, and provides descriptions of various automated data systems, along with the advantages and disadvantages of each. Incorporating perspectives from academia, industry and regulatory agencies, this book provides detailed insights into all aspects of pharmacoepidemiology.
The European Pharmaceutical Sector and Crime Vulnerabilities - Tom Vander Beken 2007
The influence of organised crime on business activities, enterprises and economic sectors is a matter of concern for many policy makers across the world. As a profit driven criminal activity, organised crime operates in an environment which is not limited to the underworld economy alone. Assessments of the threat posed by organised crime and strategic (preventive) actions to tackle this phenomenon require an understanding of the vulnerable spots in the legal economy that are or might be exploited by crime. This book is the outcome of a study known under the acronym MAVUS II (Method for and Assessment of Vulnerability of Sectors II) which addresses this issue. The study, financed under the 2005 AGIS programme of the European Commission, provides a vulnerability profile of the European pharmaceutical sector based on a new methodology to scan economic sectors for their vulnerability to (organised) crime. Both vulnerability study and methodological tool are intended as a guide for actions and initiatives to be taken by governments, law enforcement bodies and economic players.
WHO guideline on country pharmaceutical pricing policies - 2020-09-29
In recent years, high prices of pharmaceutical products have posed challenges in high- and low-income countries alike. In many instances, high prices of pharmaceutical products have led to significant financial hardship for individuals and negatively impacted on healthcare systems' ability to provide population-wide access to essential medicines. Pharmaceutical pricing policies need to be carefully planned, carried out, and regularly checked and revised according to changing conditions. Strong, well-thought-out policies can guide well-informed and balanced decisions to achieve affordable access to essential health products. This

guideline replaces the 2015 WHO guideline on country pharmaceutical pricing policies, revised to reflect the growing body of literature since the last evidence review in 2010. This update also recognizes country experiences in managing the prices of pharmaceutical products.

Ebook International Medical Guide for Ships Third Edition and Quantification Addendum - World Health Organization 2011-01-19

This e-book package contains a copy of International Medical Guide for Ships Third edition and a copy of the Quantification Addendum which contains recommended quantities indications and dosing for 55 medicines listed in the International Medical Guide for Ships 3rd edition. The third edition of the International Medical Guide for Ships shows designated first-aid providers how to diagnose treat and prevent the health problems of seafarers on board ship. Since its first publication in 1967 the International Medical Guide for Ships has been a standard reference for medical care on board ships. The second edition written in 1988 was translated into more than 30 languages and has been used in tens of thousands of ships. This the third edition contains fully updated recommendations aimed to promote and protect the health of seafarers and is consistent with the latest revisions of both the WHO Model List of Essential Medicines and the International Health Regulations. The International Labour Organization's Maritime Labour Convention 2006 stipulates that all ships shall carry a medicine chest medical equipment and a medical guide. The International Medical Guide for Ships supports a main principal of that convention; to ensure that seafarers are given health protection and medical care as comparable as possible to that which is generally available to workers ashore. By carrying this guide on board ships and following its instructions countries can both fulfill their obligations under the terms of the Maritime Labour Convention 2006 and ensure the best possible health outcomes for their seafaring population. The Quantification Addendum contains recommended quantities indications and dosing for 55 medicines listed in the International Medical Guide for Ships 3rd edition. The quantities are based on three types of ships: . ocean-going ships with crews of 25-40 and no doctor (Category A); . coastal ships with crews of up to 25 that travel no more than 24 hours from a port of call (Category B); and . small boats and private craft with crews of 15 or less and usually travelling no more than a few hours from a port of call (Category C). These quantities have been updated to reflect the decrease of crew numbers on most ships and calculated for voyages of one month. This companion volume to the International Medical Guide for Ships provides essential guidance to all those who involved in the procurement purchasing stock maintenance and use of medicines to promote and protect the health of seafarers worldwide.

The Selection and Use of Essential Medicines - World Health Organization 2015

This report presents the recommendations of the WHO Expert Committee responsible for updating the WHO Model Lists of Essential Medicines.. The goal of the meeting was to review and update the 18th WHO Model List of Essential Medicines (EML) and the 4th WHO Model List of Essential Medicines for Children (EMLc). In accordance with approved procedures, the Expert Committee evaluated the scientific evidence on the basis of the comparative effectiveness, safety and cost effectiveness of the medicines. Both lists went through major revisions this year, as the Committee considered 77 applications, including 29 treatment regimens for cancer, and innovative hepatitis C and tuberculosis (TB) medicines. The Expert Committee recommended the addition of 36 new medicines to the EML (15 to the core list and 21 to the complementary list); and recommended the addition of 16 new medicines to the EMLc (five to the core list and 11 to the complementary list). Annexes to the main report include the revised version of the WHO Model List of Essential Medicines (19th edition) and the WHO Model List of Essential Medicines for Children (5th edition). In addition there is a list of all the items on the Model List sorted according to their Anatomical Therapeutic Chemical (ATC) classification codes.

How to Investigate Drug Use in Health Facilities - World Health Organization 1993-12-31

How to Integrate Quality by Efficient Design (QbED) in Product Development - Bhavishya Mittal 2019-08-24

The development of a robust drug product requires juggling many competing priorities such as overcoming scientific challenges, following regulatory requirements, and managing business-related concerns. Unfortunately, despite large resources spent on R&D, multifactor productivity of pharmaceuticals is on the decline for several years now. Because of this business reality, pharmaceutical companies have seen a notable change in the traditional operating model and footprint over the past couple of decades. Outsourcing, in particular, has emerged as a successful business model for many pharmaceutical companies looking for ways to strategically increase their R&D capabilities and to augment their in-house resources. How to Integrate Quality by Efficient Design (QbED) in Product Development bridges the gap between theory and practice when it comes to strategic decision-making in a pharmaceutical research scenario. This book will introduce the concept of QbED and focus on various aspects such as patient-centric product designs, platform-based manufacturing technologies, business acuity, and regulatory strategies to balance the challenges in outsourcing with the need for strategic and statistically sound experiments rooted in good science. Detailed discussions will cover pharmaceutical business models, regulatory approval process, quality by design (QbD), business analytics, and manufacturing excellence specifically for small molecules and solid oral dosage forms. With the addition of case studies, flowcharts, diagrams, and data visualizations, How to Integrate Quality by Efficient Design (QbED) in Product Development will be a practical reference to help professionals working in the area of pharmaceutical drug development, strategy, and outsourcing management. Part of the Expertise in Pharmaceutical Process Technology series edited by Michael Levin Integrates pharmaceutical business models, economics, and outsourcing-related challenges into pharmaceutical product development Discusses relevant literature references in quality risk management, business strategy, QbD, and product development Provides decision-making flowcharts, conceptual diagrams, and data visualizations to make the book useful, easy to read, and to understand

Antitrust in Pharmaceutical Markets & Geographical Rules of Origin - Pierre Kobel 2017-09-20

This book gathers international and national reports from across the globe on key questions in the field of antitrust and intellectual property. The first part discusses the application of competition law in the pharmaceutical sector, which continues to be a focus for anti-trust authorities around the world. A detailed international report explores the extent to which the application of the competition rules in the pharmaceutical sector should be affected by the specific characteristics of those products and markets (including consumer protection rules, the need to promote innovation, the need to protect public budgets, and other public interest considerations). It provides an excellent comparative study of this complex subject, which lies at the interface between competition law and intellectual property law. The second part of the book gathers contributions from various jurisdictions on the topic of “What rules should govern claims by suppliers about the national or geographic origin of their goods or services?” This section presents an international report, which offers an unparalleled comparative analysis of this topic, bringing together common themes and contrasting the various national provisions dealing with indications of origin, amongst other things. The book also includes the resolutions passed by the General Assembly of the International League of Competition Law (LIDC) following a debate on each of these topics, which include proposed solutions and recommendations. The LIDC is a long-standing international association that focuses on the interface between competition law and intellectual property law, including unfair competition issues.

Ullmann's Pharmaceuticals - Axel Kleemann 2022-04-18

Based on the WHO's Anatomical Therapeutical Chemical drug classification system, virtually all marketed therapeutics are covered here in 46 topical and systematic articles. Each carefully selected section contains a general introduction to the therapeutic class, current developments and challenges, followed by a systematic listing of all important products. For each therapeutic, up-to-date information on compound structure, mechanism, pharmacology, clinical use, time on market, and production methods is provided, complete with references to the scientific and patent literature. With all articles either rewritten or completely updated to include marketed drugs up to 2021, this unique reference provides reliable data on more than 2,000 products, making it an indispensable guide for every professional in the pharmaceutical and medical sector.

Introduction to Basics of Pharmacology and Toxicology - Gerard Marshall Raj 2019-11-16

This book illustrates, in a comprehensive manner, the most crucial principles involved in pharmacology and allied sciences. The title begins by discussing the historical aspects of drug discovery, with up to date knowledge on Nobel Laureates in pharmacology and their significant discoveries. It then examines the general pharmacological principles - pharmacokinetics and pharmacodynamics, with in-depth information

on drug transporters and interactions. In the remaining chapters, the book covers a definitive collection of topics containing essential information on the basic principles of pharmacology and how they are employed for the treatment of diseases. Readers will learn about special topics in pharmacology that are hard to find elsewhere, including issues related to environmental toxicology and the latest information on drug poisoning and treatment, analytical toxicology, toxicovigilance, and the use of molecular biology techniques in pharmacology. The book offers a valuable resource for researchers in the fields of pharmacology and toxicology, as well as students pursuing a degree in or with an interest in pharmacology.

Genome Informatics 2009 - Charles DeLisi 2010-01-01

This volume contains 17 peer-reviewed papers based on the presentations at the 9th Annual International Workshop on Bioinformatics and Systems Biology (IBSB 2009) held at the Life Science Engineering Building of Boston University from July 27 to 29, 2009. This workshop started in 2001 as a platform for doctoral students and young researchers to present and discuss their research results and approaches in bioinformatics and systems biology. It is part of a collaborative educational program involving leading institutions and leaders committed to the following institutions and programs: * Boston University Graduate Program in Bioinformatics * Charit Universittsmedizin Berlin * Freie Universitt Berlin * Global COE Program Center of Education and Research for Advanced Genome-Based Medicine, University of Tokyo * The International Research Training Group (IRTG) Genomics and Systems Biology of Molecular Networks * International Research and Training Program on Bioinformatics and Systems Biology, Kyoto University Bioinformatics Center * Max-Delbrck Center for Molecular Medicine in Berlin * Max Planck Institute for Molecular Genetics in Berlin * Max Planck Institute of Molecular Plant Physiology in Potsdam

2018 International Conference on Recent Innovations in Electrical, Electronics and Communication Engineering (ICRIEECE) - IEEE Staff 2018-07-27

International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering ICRIEECE is Related to Electrical, Electronics and Communication engineering It is not confined to a specific topic or region, you can exhibit your ideas in similar or mixed or related technologies bloomed from anywhere around the world because An idea can change the future and its implementation can build it

Digital Personalized Health and Medicine - L.B. Pape-Haugaard 2020-06-17

Digital health and medical informatics have grown in importance in recent years, and have now become central to the provision of effective healthcare around the world. This book presents the proceedings of the 30th Medical Informatics Europe conference (MIE). This edition of the conference, hosted by the European Federation for Medical Informatics (EFMI) since the 1970s, was due to be held in Geneva, Switzerland in April 2020, but as a result of measures to prevent the spread of the Covid19 pandemic, the conference itself had to be cancelled. Nevertheless, because this collection of papers offers a wealth of knowledge and experience across the full spectrum of digital health and medicine, it was decided to publish the submissions accepted in the review process and confirmed by the Scientific Program Committee for publication, and these are published here as planned. The 232 papers are themed under 6 section headings: biomedical data, tools and methods; supporting care delivery; health and prevention; precision medicine and public health; human factors and citizen centered digital health; and ethics, legal and societal aspects. A 7th section deals with the Swiss personalized health network, and section 8 includes the 125 posters accepted for the conference. Offering an overview of current trends and developments in digital health and medical informatics, the book provides a valuable information resource for researchers and health practitioners alike.

Natural Remedies - Finn Sandberg 2001-10-04

The past two decades have witnessed a phenomenal explosion of interest in the potential uses of plant medicines in healthcare and this has evoked the rebirth of pharmacognosy. This volume is unique in that it is the first, in English, to employ the Anatomical, Therapeutic and Chemical (ATC) classification system, developed by the World Health Organization, to present information on the therapeutic uses of plants. Initially developed in the Swedish edition 'Phytopharmaca Therapy', this volume expands the original concept and highlights the aspects of medicinal plants that are crucial for a comprehensive understanding of the role plant drugs can play in healthcare.

The Selection and Use of Essential Medicines - WHO Expert Committee on the Selection and Use of Essential Medicines 2014

"The 19th Meeting of the WHO Expert Committee on the Selection and Use of Essential Medicine took place in Geneva, Switzerland, from 8 to 12 April 2013"--P. vii.

Advances in Hybrid Information Technology - Marcin S. Szczuka 2007-12-08

Complete with online files and updates, this important new volume covers many of the areas in which hybrid information technology is advancing. The book is the thoroughly refereed post-proceedings of the First International Conference on Hybrid Information Technology, held in Korea in 2006. More than 60 revised papers were carefully selected during a second round of reviewing from 235 reports given at the conference, and are presented in extended version in the book.

A System of Health Accounts 2011 Revised edition - OECD 2017-03-16

A System of Health Accounts 2011: Revised Edition provides an updated and systematic description of the financial flows related to the consumption of health care goods and services.

Systems Medicine - 2020-08-24

Technological advances in generated molecular and cell biological data are transforming biomedical research. Sequencing, multi-omics and imaging technologies are likely to have deep impact on the future of medical practice. In parallel to technological developments, methodologies to gather, integrate, visualize and analyze heterogeneous and large-scale data sets are needed to develop new approaches for diagnosis, prognosis and therapy. Systems Medicine: Integrative, Qualitative and Computational Approaches is an innovative, interdisciplinary and integrative approach that extends the concept of systems biology and the unprecedented insights that computational methods and mathematical modeling offer of the interactions and network behavior of complex biological systems, to novel clinically relevant applications for the design of more successful prognostic, diagnostic and therapeutic approaches. This 3 volume work features 132 entries from renowned experts in the fields and covers the tools, methods, algorithms and data analysis workflows used for integrating and analyzing multi-dimensional data routinely generated in clinical settings with the aim of providing medical practitioners with robust clinical decision support systems. Importantly the work delves into the applications of systems medicine in areas such as tumor systems biology, metabolic and cardiovascular diseases as well as immunology and infectious diseases amongst others. This is a fundamental resource for biomedical students and researchers as well as medical practitioners who need to need to adopt advances in computational tools and methods into the clinical practice. Encyclopedic coverage: ‘one-stop’ resource for access to information written by world-leading scholars in the field of Systems Biology and Systems Medicine, with easy cross-referencing of related articles to promote understanding and further research Authoritative: the whole work is authored and edited by recognized experts in the field, with a range of different expertise, ensuring a high quality standard Digitally innovative: Hyperlinked references and further readings, cross-references and diagrams/images will allow readers to easily navigate a wealth of information

Guidelines for ATC Classification and DDD Assignment - Nordiska Läkemedelsnämnden 1995

Chemical Information 2 - Harry R. Collier 2012-12-06

This volume contains the full text of twenty ofthe twenty-one papers given at the Montreux 1990 International Chemical Information Conference in Mon treux, Switzerland between 24 and 26 September 1990. The one paper that is omitted was not received in time for incorporation in these Proceedings. The papers reflect the diverse nature of chemical information, an information field that has usually been in the forefront of applying new technology to solving information problems. In many ways, the electronic information revolution is still in its infancy; during the Montreux conferences, we intend to chart the dynamic interaction between chemical information and new technology. One publishing problem with an information field that moves so rapidly is the constant need to make printed information available within weeks or months of it being written. The majority of papers in this volume were written during the period May - July 1990. Conventional publishing, of course, allows authors time to proof-read their texts, to make changes and corrections and allows time for the contents to be indexed extensively. Time, however, is a luxury in the case of conference proceedings in the area of chemical, pharmaceutical and patent information at the beginning of the 1990s. We hope readers will appreciate the necessary trade-off that has

had to take place between text thoroughly prepared, revised, indexed and corrected; and text that is available for general readership soon after it was written.

The SAGE Encyclopedia of Pharmacology and Society - Sarah E. Boslaugh 2015-09-15

The SAGE Encyclopedia of Pharmacology and Society explores the social and policy sides of the pharmaceutical industry and its pervasive influence in society. While many technical STM works explore the chemistry and biology of pharmacology and an equally large number of clinically oriented works focus on use of illegal drugs, substance abuse, and treatment, there is virtually nothing on the immensely huge business (“Big Pharma”) of creating, selling, consuming, and regulating legal drugs. With this new Encyclopedia, the topic of socioeconomic, business and consumer, and legal and ethical issues of the pharmaceutical industry in contemporary society around the world are addressed. Key Features: 800 signed articles, authored by prominent scholars, are arranged A-to-Z and published in a choice of electronic or print formats Although arranged A-to-Z, a Reader's Guide in the front matter groups articles by thematic areas Front matter also includes a Chronology highlighting significant developments in this field All articles conclude with Further Readings and Cross References to related articles Back matter includes an annotated Resource Guide to further research, a Glossary, Appendices (e.g., statistics on the amount and types of drugs prescribed, etc.), and a detailed Index The Index, Reader’s Guide, and Cross References combine for search-and-browse capabilities in the electronic edition The SAGE Encyclopedia of Pharmacology and Society is an authoritative and rigorous source addressing the pharmacology industry and how it influences society, making it a must-have reference for all academic libraries as a source for both students and researchers to utilize.

Classification, Automation, and New Media - Gesellschaft für Klassifikation. Jahrestagung 2002-03-25

Given the huge amount of information in the internet and in practically every domain of knowledge that we are facing today, knowledge discovery calls for automation. The book deals with methods from classification and data analysis that respond effectively to this rapidly growing challenge. The interested reader will find new methodological insights as well as applications in economics, management science, finance, and marketing, and in pattern recognition, biology, health, and archaeology.

Genome Informatics 2009: Genome Informatics Series Vol. 22 - Proceedings Of The 9th Annual International Workshop On Bioinformatics And Systems Biology (Ibsb 2009) - Edda Klipp 2010-01-18

This volume contains 17 peer-reviewed papers based on the presentations at the 9th Annual International Workshop on Bioinformatics and Systems Biology (IBSB 2009) held at the Life Science Engineering Building of Boston University from July 27 to 29, 2009. This workshop started in 2001 as a platform for doctoral students and young researchers to present and discuss their research results and approaches in bioinformatics and systems biology. It is part of a collaborative educational program involving leading institutions and leaders committed to the following institutions and programs:Boston University Graduate Program in BioinformaticsCharité - Universitätsmedizin BerlinFreie Universität BerlinGlobal COE Program — Center of Education and Research for Advanced Genome-Based Medicine, University of TokyoThe International Research Training Group (IRTG) Genomics and Systems Biology of Molecular NetworksInternational Research and Training Program on Bioinformatics and Systems Biology, Kyoto University Bioinformatics CenterMax-Delbrück Center for Molecular Medicine in BerlinMax Planck Institute for Molecular Genetics in BerlinMax Planck Institute of Molecular Plant Physiology in Potsdam/a

SPSS base 10 user's guide [package] - 1999

This package includes the SPSS Base 10.0 User's Guide and SPSS 10.09 Interactive Graphics User's Guide. These are the primary guides to SPSS Base 10.0: The briefly document all features of the software including the text Wizard, the Database Capture Wizard, working with interactive charts, the use of each chart type, modifying charts, scripting features, data definition and other features of the new Data Editor, data modification and file management, output management including the SPSS Viewer and report cubes, statistics and graphics procedures, production-mode operation, utilities for getting information (including help) and controlling the environment. It also documents the additonal higher level statistical procedures that are now part of SPSS Base. These procedures include GLM General Factorial, factor analysis, discriminant analysis, cluster analysis, K-means cluster, proximities, reliability analysis and ASCAL multidimensional scaling. Statistical procedures and accompanied by examples of output; users who want more information about the statistical procedures and the output they produce should see the SPSS Base 10.0 Brief Guide.

Ullmann's Pharmaceuticals, 2 Volume Set - Axel Kleemann 2022-03-14

Based on the WHO's Anatomical Therapeutical Chemical (ATC) classification system, virtually all marketed therapeutics are covered here in 48 topical sections. Each section contains a general introduction to the therapeutic class, current developments, and challenges, followed by a systematic listing of all important marketed products. For each therapeutic, up-to-date information on compound structure, mechanism, formulation, clinical use, time on market, and production methods is provided, complete with refrences to the scientific and patent literature. With ULLMANN's being one of the most renowned and trusted references in the field of industrial chemistry, this selection of ULLMANN's articles is an indispensable guide for every professional in the pharmaceutical and medical sector and provides reliable data on more than 3,500 pharmaceutical products marketed up to 2021.

Medicine Price Surveys, Analyses and Comparisons - Sabine Vogler 2018-10-23

Medicine Price Surveys, Analyses and Comparisons establishes guidelines for the study and implementation of pharmaceutical price surveys, analyses, and comparisons. Its contributors evaluate price survey literature, discuss the accessibility and reliability of data sources, and provide a checklist and training kit on conducting price surveys, analyses, and comparisons. Their investigations survey price studies while accounting for the effects of methodologies and explaining regional differences in medicine prices. They also consider policy objectives such as affordable access to medicines and cost-containment as well as options for improving the effectiveness of policies. Provides guidance for planning and implementing pharmaceutical pricing policies and systems Reviews external price referencing systems Explains common baselines for interpreting price surveys Defines pharmaceutical price terminology and nomenclature

Smart Intelligent Computing and Applications - Suresh Chandra Satapathy 2019-09-26

This book gathers high-quality papers presented at the Third International Conference on Smart Computing and Informatics (SCI 2018–19), which was organized by the School of Computer Engineering and School of Computer Application, Kalinga Institute of Industrial Technology, Bhubaneswar, India, on 21–22 December, 2018. It includes advanced and multi-disciplinary research on the design of smart computing and informatics. Thematically, the book broadly focuses on several innovation paradigms in system knowledge, intelligence and sustainability that can help to provide realistic solutions to various problems confronting society, the environment, and industry. The respective papers offer valuable insights into the how emerging computational and knowledge transfer approaches can be used to deliver optimal solutions in science, technology and healthcare.

Artificial intelligence for Drug Discovery and Development - Jianfeng Pei 2021-11-16

Topic editor Alex Zhavoronkov is the founder of Insilico Medicine, a company specializing in AI research. He is also a professor at the Buck Institute for Research on Aging. All other Topic Editors declare no competing interests with regards to the Research Topic subject.

Pharmacological Classification of Drugs - KD Tripathi 2008-05-30

Drug Utilization Research - Monique Elseviers 2016-05-31

Drug Utilization Research (DUR) is an eclectic scientific discipline, integrating descriptive and analytical methods for the quantification, understanding and evaluation of the processes of prescribing, dispensing and consumption of medicines and for the testing of interventions to enhance the quality of these processes. The discipline is closely related and linked mainly to the broader field of pharmacoepidemiology, but also to health outcomes research, pharmacovigilance and health economics. Drug Utilization Research is a unique, practical guide to the assessment and evaluation of prescribing practices and to interventions to improve the use of medicines in populations. Edited by an international expert team from the International Society for Pharmacoepidemiology (ISPE), DUR is the only title to cover both the methodology and applications of drug utilization research and covers areas such as health policy, specific populations, therapeutics and adherence.

Retrospective Environmental Risk Assessment of Human Pharmaceuticals in the Nordic Countries

1997-2007 - 2009-12

Pharmacovigilance for Herbal and Traditional Medicines - Joanne Barnes 2022-08-11
This remarkable new book is the first text dedicated to the topic of pharmacovigilance for herbal and traditional medicines. Taking a truly global perspective, this volume draws together contributions from a diverse group of experts, writing on current knowledge and practices in pharmacovigilance for herbal and traditional medicines, and on advances and innovation in monitoring the safety of this unique and complex category of products and preparations. In part one, the book discusses the current status of pharmacovigilance for herbal and traditional medicines, including the importance of natural products chemistry to harms, and its relevance in considering how pharmacovigilance for these products could be undertaken. Several other chapters discuss methodological approaches and ongoing challenges in pharmacovigilance for herbal and traditional medicines, including issues relating to nomenclature, coding and classification, and the nuances involved in causality assessment. Part two of the book focusses on pharmacovigilance for herbal and traditional medicines around the world, with chapters from authors in several different countries representing diverse historical, ethnic, cultural, social and political contexts. These chapters provide deeper insights and perspectives into spontaneous reporting for herbal and traditional medicines in those countries, and in the context of the local use, practice and regulatory landscape for these products. Part two also provides an overview and new analysis of international case safety reports for herbal medicines held in VigiBase (the World Health Organization's global database of individual case safety reports, maintained by the Uppsala Monitoring Centre). This book is aimed at pharmacists, doctors, nurses and other health professionals, herbal-medicine practitioners and organisations, herbal medicine and pharmaceutical industry personnel, pharmacovigilance specialists, medicines' regulators, health and social science researchers and academics, pharmacovigilance and health professional students, and students of herbal and traditional medicine, throughout the world. It is an extremely valuable resource for all individuals whose work touches the intersection between herbal medicines and pharmacovigilance, and it provides both an introduction to the topic and a deeper, comprehensive, contemporary account of the topic.
Intelligence Methods and Systems Advancements for Knowledge-Based Business - Wang, John 2012-07-31
Knowledge is power: In today's era of knowledge-based economies, constantly changing business environments, severe competition, and globalization, gaining the knowledge edge will greatly empower an organization to stay on the cutting edge. Intelligence Methods and Systems Advancements for Knowledge-Based Business examines state-of-the-art research in decision sciences and business intelligence, and the applications of knowledge-based business with information systems. This comprehensive volume will provide researchers, academics, and business professionals with the research and inspiration they need to strengthen and empower their businesses in today's world.
International Medical Guide for Ships - World Health Organization 2007
This publication shows designated first-aid providers how to diagnose, treat, and prevent the health problems of seafarers on board ship. This edition contains fully updated recommendations aimed to promote and protect the health of seafarers, and is consistent with the latest revisions of both the WHO Model List of Essential Medicines and the International Health Regulations.--Publisher's description.
Clinical Text Mining - Hercules Dalianis 2018-05-14
This open access book describes the results of natural language processing and machine learning methods applied to clinical text from electronic patient records. It is divided into twelve chapters. Chapters 1-4 discuss the history and background of the original paper-based patient records, their purpose, and how they are written and structured. These initial chapters do not require any technical or medical background knowledge. The remaining eight chapters are more technical in nature and describe various medical classifications and terminologies such as ICD diagnosis codes, SNOMED CT, MeSH, UMLS, and ATC. Chapters 5-10 cover basic tools for natural language processing and information retrieval, and how to apply them to clinical text. The difference between rule-based and machine learning-based methods, as well as between supervised and unsupervised machine learning methods, are also explained. Next, ethical concerns regarding the use of sensitive patient records for research purposes are discussed, including methods for de-identifying electronic patient records and safely storing patient records. The book's closing chapters present a number of applications in clinical text mining and summarise the lessons learned from the previous chapters. The book provides a comprehensive overview of technical issues arising in clinical text mining, and offers a valuable guide for advanced students in health informatics, computational linguistics, and information retrieval, and for researchers entering these fields.
Analysis of Turkish Pharmaceutical Sector - Mehmet ATASEVER 2016-12-01
"Analysis of Turkish Pharmaceutical Sector" is a comprehensive book that analyzes Turkish pharmaceutical industry, its financial structure and developments affecting industry from different perspectives. The book examines how pharmaceutical sector developed in Turkey after the policies followed since 2003, financing of the sector, pharmaceutical expenditures via detailed analyses and investigates the current situation, strategies and objectives of the sector. Pharmaceutical expenditures projected in the book covers expenditure statistics of 2002 -2013 period prepared by Turkey Statistical Institute (TurkStat).