

Principles Of Pharmacology The Pathophysiologic Basis Of Drug Therapy 3rd Edition By David E Golan 2011 06 24

This primary textbook for a first course in pharmacology offers an integrated, systems-based, and mechanism-based approach to understanding drug therapy. Each chapter focuses on a target organ system, begins with a clinical case, and incorporates cell biology, biochemistry, physiology, and pathophysiology to explain how and why different drug classes are effective for diseases in that organ system. Over 400 two-color illustrations show molecular, cellular, biochemical, and pathophysiologic processes underlying diseases and depict targets of drug therapy. Each Second Edition chapter includes a drug summary table presenting mechanism, clinical applications, adverse effects, contraindications, and therapeutic considerations. New chapters explain how drugs produce adverse effects and describe the life cycle of drug development. The fully searchable online text and an image bank are available on thePoint.

Basic Principles of Pharmacology with Dental Hygiene Applications presents up-to-date pharmacological principles and identifies applications of these principles in day-to-day dental hygiene practice. The text coordinates principles of pharmacology with pathophysiology and identifies applications to the oral health treatment plan and treatment record information. Coverage includes subjects not found in other pharmacology textbooks for dental hygiene students: adverse drug effects, drugs used by the dental hygienist, sources to help patients or personnel seek treatment for substance abuse problems, and herbal supplements. Each chapter includes case studies, self-study questions, end-of-chapter dental hygiene application summaries, and clinical application exercises.

EKG auf einen Blick (vorher "EKG leicht gemacht") bietet eine schnelle Einführung in die EKG-Befundung. Viele Abbildungen und knapper, prägnanter Text zeigen die Entstehung von normalem EKG sowie häufigen und wichtigen pathologischen Veränderungen und wie man sie erkennt. Wichtige Inhalte sind in Merke-Kästen hervorgehoben. Zahlreiche Beispiel- und Übungs-EKGs mit ausführlicher Befundung verdeutlichen die Inhalte und dienen zur Lernkontrolle. Übersicht der wichtigen Parameter in eigenem Kapitel.

Principles of Pharmacology

Medical Pharmacology and Therapeutics E-Book

3 P's: Pathophysiology, Pharmacology, and Physical Assessment

Pharmacology and Pharmacotherapeutics - E-Book

Dental Management of the Medically Compromised Patient

This book covers all the pharmacology you need, from basic science pharmacology and pathophysiology, through to clinical pharmacology to therapeutics, in line with the integrated approach of new medical curricula. The first section covers the basic principles, and the rest is organised by body systems. The book ends with sections on toxicity and prescribing practice. Integrates basic science pharmacology, clinical pharmacology and therapeutics **Brief review of pathophysiologic of major diseases** **Case histories and multiple choice questions (and answers)** **Tabular presentation of all common drugs within each class** **Section on further reading** **Kinetics chapter simplified with more practical examples** **Includes more on genetic issues** **Drug tables made more concise to make information more accessible** **Fully updated to reflect current clinical practice**

Principles of Pharmacology for Athletic Trainers, Third Edition continues the tradition of past editions to provide applications of pharmacological principles specifically aimed at the athletic trainer. The drug categories that are included are primarily those that may be pertinent to the treatment of athletic injuries or that may affect athletic performance. Drs. Joel Houglum, Gary Harrelson, and Teresa Seefeldt have taken a unique aspect to the organization and design of the Third Edition to be instructional discussions regarding the use and effects of drugs and of the disease states treated by these drug categories. Additionally, there is a specific discussion of the role of the athletic trainer regarding the therapeutic use and effects of these drugs. Features of the Third Edition: Satisfies all of the CAATE Educational Competencies on pharmacology Advanced organizers and specific learning objectives at the beginning of each chapter Summaries after each major topic within the chapter Case studies and clinical applications Discussion on popular fitness supplements Key words are in italics and defined in the glossary Concept maps present important, yet complex, processes in a concise, graphical way Shaded textboxes throughout include additional information and are beneficial for the reader to recall a key concept addressed in an earlier chapter New ancillary materials specifically for faculty that include PowerPoint slides and test bank questions for each chapter Instructors in educational settings can visit www.efacultylounge.com for additional materials to be used for teaching in the classroom. Principles of Pharmacology for Athletic Trainers, Third Edition will continue to be the go-to resource to determine the best pharmacological treatment strategy and management by athletic trainers.

A firm grasp of the functions of living organisms is one of the most important prerequisites to pharmacy study. The long-awaited second edition of Essentials of Human Physiology presents concepts in physiology in a way that prepares students for their subsequent study of pathophysiology, pharmacology, and pharmacotherapeutics. Thoroughly The Pathophysiologic Basis of Drug Therapy by Golan, Et Al...

Pharmacology for Nurse Anesthesiology

Clinical Pharmacology in Athletic Training

Medical Pharmacology and Therapeutics

Mutschler Arzneimittelwirkungen : Lehrbuch der Pharmakologie, der klinischen Pharmakologie und Toxikologie ; mit einführenden Kapiteln in die Anatomie, Physiologie und Pathophysiologie ; mit 257 Tabellen und 1417 Strukturformeln

Basic Pharmacology for Nurses is a modern classic nursing pharmacology textbook known for its impeccably accurate drug content and its practical applications of the nursing process. A consistent emphasis on health promotion through monitoring and patient education is a hallmark of the book. Introductory units ground the reader in basic principles of pharmacology and medication administration. Subsequent body-system units apply the nursing process to every major disorder, and appropriate nursing implications are discussed for every drug class to promote safe medication administration. Provides an overview of relevant pathophysiology with an application of the nursing process in each drug chapter, followed by nursing implications for each applicable drug class. Covers the pharmacology of all major classes of drugs, emphasizing side effects to expect, side effects to report, drug interactions, and more. Emphasizes patient education and health promotion with easy-to-recognize Patient Teaching boxes and reproducible Patient Self-Assessment forms on the Evolve site. Provides need-to-know coverage of herbal therapies and dietary supplements with an Herbal and Dietary Supplement Therapy chapter and Complementary and Alternative Therapies boxes throughout. Increased emphasis on medication safety prepares nurses to practice more safely in a clinical environment that is both more pressured and more focused than ever on reducing drug errors. The increased emphasis includes Chapter 7: Principles of Medication Administration, do-not-confuse icons, and an icon to signal ISMP's "high alert" drugs. As the focus on pharmacology on the NCLEX continues to increase, chapter-ending Get Ready for the NCLEX(R) Examination sections include Key Points, Additional Learning Resources, and Review Questions for the NCLEX Examination. Updated coverage of the most recent FDA approvals, withdrawals, and therapeutic uses provide impeccably accurate and current content to ensure safe drug therapy. Updated and streamlined coverage of nursing care with a focus on the need-to-know material helps students focus on the most current, need-to-know content. The first ground-up Australian text in pathophysiology, this text helps learners to understand complex pathophysiological concepts through its accessible format and strong integration of the science with clinical practice. Bullock's Pathophysiology does not take the approach of a traditional text, instead opting to remove any duplication of content students will have encountered in their First Year. The focus becomes the balance of pathophysiology and clinical adaptation which is often combined with pharmacology. The approach taken is one that maintains the focus on pathophysiology while complementing other textbooks that students have at hand that cover anatomy/physiology and pharmacology. Additionally, this product Has respected and updated/current content Can be used in Second Year undergraduate courses in pathophysiology or for units combined with pharmacology Has strong synergy with the other Second Year Nursing title, Bullock, Fundamentals of Pharmacology, through the authorial voice and format, creating a consistent experience for the reader

This book covers all the pharmacology you need, from basic science pharmacology and pathophysiology, through to clinical pharmacology to therapeutics, in line with the integrated approach of new medical curricula. The first section covers the basic principles, and the rest is organised by body systems. The book ends with sections on toxicity and prescribing practice. Integrates basic science pharmacology, clinical pharmacology and therapeutics Brief review of pathophysiology of major diseases Case histories and self-assessment questions (and answers) Tabular presentation of all common drugs within each class Section on further reading Kinetics chapter simplified with more practical examples Includes more on genetic issues Drug tables made more concise to make information more accessible Fully updated to reflect current clinical practice

Pharmacology and Diseases

Klinische Epidemiologie

Pharmacology for the Health Care Professions

Introduction to Pharmacology

General Pharmacology for Pharmacists

Neue Reihe KLINIKPRAXIS Macleods Klinische Diagnose: Mit Flowcharts vom Leitsymptom zur Diagnose Hier finden Medizinstudenten im PJ und Anfangsassistenten konkrete Anleitung für die erste Zeit in der Klinik: Für zahlreiche Leitsymptome v.a. aus der Inneren Medizin und der Chirurgie zeigt Ihnen dieses praxisorientierte Buch Schritt für Schritt den Weg von den Symptomen bis zur Diagnose. Es erklärt, wie Sie die Informationen aus Anamnese, Untersuchung, Routediagnostik und ggf. weiterführender Diagnostik zusammenführen und wie Sie Differentialdiagnosen ausschließen. Für jedes Leitsymptom gibt es einen schnellen Überblick mit Flowcharts: daran schließt sich jeweils ein übersichtlich gegliederter Erklärungssteil mit allen benötigten Hintergrundinformationen an. Praktische Vorgaben für zahlreiche Leitsymptome: Überblick durch farbige Flowcharts, dazu farbcodierte Hintergrundinformationen mit Erklärungen, auch bei atypischer Symptomatik. Sicheres Behandeln: schnelles Erkennen der "red flags", Management lebensbedrohlicher Zustände, Durchführung aller notwendigen Untersuchungen. Stellen einer fundierten Diagnose: systematisches Zusammenführen von Informationen aus Anamnese, Untersuchung und Diagnostik und Ausschluss der Differentialdiagnosen. Konkrete Anleitung für das erste Arbeiten am Patienten: Ideal für Famulatur, Blockpraktikum und PJ bis hin zur Assistenzzeit. KLINIKPRAXIS: Gut vorbereitet in die Patientenversorgung!

Athletic trainers have a responsibility to provide high-quality pharmaceutical care while meeting both legal and ethical requirements. Clinical Pharmacology in Athletic Training empowers athletic trainers with a functional understanding of pharmacology that enables them to formulate a treatment plan intended to mitigate disease and improve the overall health of their patients. This text incorporates the most up-to-date content from the 2020 Commission on Accreditation of Athletic Training Education (CAATE) standards, and it emphasizes interprofessional practice to enable future and current athletic trainers to collaborate with other health professionals in a manner that optimizes the quality of care. Clinical Pharmacology in Athletic Training begins by addressing drug legislation and the legal aspects of the athletic trainer's role in sport medication. The text provides an overview of pharmacokinetics and pharmacodynamics with an emphasis on concepts relevant to clinical practice. Students are introduced to the generic and brand names, general classifications, and appropriate administration of drugs and are guided toward appropriate online reference materials. Part II of this text describes common medications for pain, inflammation, and infections. Part III includes medications for specific conditions, including respiratory, cardiovascular, gastrointestinal, neurological, gynecological, and mental health conditions. The text also includes current information on opioid analgesics, cannabis, and cannabinoid-based medications. Clinical Pharmacology in Athletic Training teaches students to administer appropriate pharmacological agents for the management of the patient's condition. The information includes indications, contraindications, dosing, interactions, and adverse reactions. The following features are included to aid in the learning process: Chapter objectives set the stage for the main topics covered in the chapter. Key terms are boldfaced to indicate terms of special importance, and a glossary of definitions is included at the back of the book. Red Flag sidebars highlight warnings and precautions for certain medications or medicolegal issues. Evidence in Pharmacology sidebars highlight recent research regarding medications. Clinical Application sidebars present real-life stories from the field of athletic training. Case studies highlight specific therapeutic medication applications and are accompanied by questions that prompt readers to think critically about the issues presented. Quick reference drug tables describe medication types, generic and brand names, pronunciations, common indications, and other special considerations for the athletic trainer. Over the past decade, there has been an increased emphasis on pharmacology in athletic training. Clinical Pharmacology in Athletic Training will equip students with appropriate skills and competencies, prepare them to meet patient needs, and enable them to work in interprofessional teams.

The present book covers the basic principles of cardiovascular physiology, pathophysiology and advanced pharmacology with particular emphasis on cellular mechanisms of drug action. It provides an update on the progress made in several aspects of cardiovascular diseases so that it might kindle scientists and clinicians alike in furthering basic and translational research. In addition, the book is expected to fill imperative gaps in understanding and optimally treating cardiovascular disease.

Basic Principles of Pharmacology with Dental Hygiene Applications

Anatomie, Physiologie, Pathophysiologie des Menschen

Principles of Pathophysiology

Principles of Pharmacology for Athletic Trainers

Leitsymptome - Flowcharts - Diagnosen

Now in its third edition, Principles of Pharmacology presents content in a conceptual framework that maximizes understanding and retention and minimizes rote memorization. It takes students "beyond the disease" and deep into physiologic, biochemical, and pathophysiologic systems where drugs activate or inhibit these systems by interacting with molecular and cellular targets. This unique approach and ultimately, in treating the human patient. Ideal for introductory pharmacology courses that emphasize critical thinking, molecular understanding, systems-based integration, and clinical preparation, the text: Features chapter-opening clinical cases and questions to establish a context for the discussion and the answers that follow Presents signature drug summary tables, updated and organized by effects, contraindications, and therapeutic considerations Incorporates NEW full-color illustrations throughout, suiting the needs of visual learners and more effectively presenting concepts covered in the narrative Integrates timely content, including recently approved drugs as well as current research on drug mechanisms of action Delivers course and review material appropriate for students throughout residents, and faculty

This book provides a foundational synthesis of pathophysiology, pharmacology and physical assessment principles for aspiring students including those entering graduate level nursing, physician assistant, and other medical provider professions. Select pathophysiologic processes of disease will be explored, including physical assessment components and pharmacological treatment. Pharmacology for Nurse Anesthesiology provides appropriate chemical, biological, and physical information of the actions, interactions, and reactions of medication, particularly as they apply and impact the practice of nurse anesthesia. Written by certified registered nurse anesthetists (CRNAs) for CRNAs, this title presents information about various drugs using theoretical aspects based in chemistry straight from actual CRNAs who administer and deal with the medications on a case-by-case, daily basis. The perfect resource for both practicing professionals and students in CRNA programs!

John Locke's Versuch über den menschlichen Verstand

Pathophysiology and Pharmacotherapy of Cardiovascular Disease

A Pathophysiologic And Integrated Cardiopulmonary Pharmacology Approach

Essentials of Human Physiology for Pharmacy

Basic Pharmacology for Nurses16

Administer drugs safely and prevent drug errors with accurate, up-to-date drug information! Concise and easy to understand, Introduction to Pharmacology, 12th Edition provides drug monographs with key information such as generic and trade names, indications, common adverse effects, and typical adult and pediatric dosages. Drug entries are organized by classification, and include the newest FDA-approved drugs. Coverage of special situations highlights the unique issues of drug therapy in children, pregnant and nursing women, and older adults. To provide a solid foundation for safe practice, authors Mary Asperheim Favaro and Justin Favaro also address the principles of pharmacology and the basic math needed to calculate drug dosages. Straightforward, easy-to-digest drug monographs focus on essential information including drug names (both generic and trade), need-to-know drug information, and typical drug dosages. Math review refreshes your knowledge of basic math and provides practice in drug dosage calculation. Considerations boxes highlight the unique safety issues of drug therapy in children, pregnant and nursing women, and older adults. Clinical Implications in each chapter relate drug content to safe and effective drug administration and patient teaching. Herb Alert boxes highlight herb-drug interactions and contraindications for the safety of patients relying on complementary and alternative therapies. Critical Thinking Questions in most chapters let you apply concepts to realistic clinical situations and issues. Review Questions at the end of each chapter help you assess your mastery of the material, with answers in the back of the book. UNIQUE! Drug Therapy in Women chapter addresses the special considerations of drug therapy in women. UNIQUE! Molecular and Targeted Therapies chapter covers emerging drugs that are aimed at specific tissues, genes, and target organs. Updated drug information keeps you current with the most recent FDA drug approvals and withdrawals, as well as changes in indications, therapeutic uses and warnings. NEW Drug Therapy in Children chapter discusses drug therapy for ADHD, immunizations, and allergies. NEW Interactions chapter covers drug-drug, drug-herb, drug-food, and drug-condition interactions, along with drug toxicity. Expanded content on drug therapy in women addresses chronic fatigue syndrome, postpartum depression, drug safety during pregnancy and lactation, migraine preventative therapy, menstrual abnormalities, and menopause.

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The basic principles of anaesthesia are presented along with clinically relevant principles of pharmacology, physiology and pathophysiology. The book is designed to be a practical handbook for all health professionals who care for anaesthetized patients.

Principles and Applications

Papyrus Ebers

Basic Pharmacology for Nurses

Outlines and Highlights for Principles of Pharmacology

Echokardiographie

"Highly regarded by both students and instructors, Principles of Pharmacology: The Pathophysiologic Basis of Drug Therapy, 4th Edition, offers an integrated mechanism-based and systems-based approach to contemporary pharmacology and drug development. An easy-to-follow format helps first- and second-year students grasp challenging concepts quickly and efficiently. Each chapter presents a clinical vignette illustrating a therapeutic problem within a physiologic or biochemical system; followed by a discussion of the biochemistry, physiology, and pathophysiology of the system; and concluding with a presentation of the pharmacology of the drugs and drug classes that activate or inhibit the system by interacting with specific molecular and cellular targets. Chapters are integrated into sections that focus on organ systems and therapeutic areas of highest importance. Clear, concise illustrations highlight key

points, and drug summary tables offer quick access to essential information"--Publisher's description.

A classic Pharmacology book trusted equally by students and practicing physicians for its up-to-date, accurate and reliable text, which has always placed before the readers an integrated approach intertwining current knowledge of pathophysiology of the disease, pharmacology of available drugs and strategies for medical management of diseases. • Trusted Pharmacology book with emphasis on pathophysiology, clinical pharmacology and therapeutics, presenting information in integrated manner. • Up-to-date information supplemented with tables and diagrams, having: - therapy of important diseases presented in boxes. - current guidelines to support therapeutic decisions - tips for practising physicians. • Uses integrated approach intertwining current knowledge of pathophysiology of the disease, pharmacology of available drugs and strategies for medical management of diseases. • Balances the complexity and simplicity of scientific content to provide students of medicine and/or pharmacy an insight into rational therapeutics.

A wholly local, comprehensive pathophysiology textbook written for students studying nursing and allied health in Australia and New Zealand.

Beiträge zur Arzneimittellehre

A Team-based Learning Guide for Faculty in the Health Professions

Clinical Anesthesiology

Pharmacotherapy: A Pathophysiologic Approach, Tenth Edition

Schnell-Interpretation des EKG

Combining two separate textbooks entitled Essentials of Human Physiology for Pharmacy and Essentials of Pathophysiology for Pharmacy into one cohesive volume, this new book seamlessly integrates material related to normal human physiology and pathophysiology into each chapter. Chapters include: Study objectives at the beginning of each chapter; Summary tables, flow charts, diagrams, and key definitions; Real life case studies to emphasize clinical application and stimulate student critical thinking; An emphasis on the rationale for drug therapy; Simple, straightforward language. Written by authors with extensive teaching experience in the areas, Essentials of Human Physiology and Pathophysiology for Pharmacy and Allied Health is a concise learning instrument that will guide students in pharmacy and allied health programs.

Team-Based Learning (TBL) is a well-defined pedagogy that combines individual pre-class guided learning with small group in-class active learning. TBL emphasizes the importance of individual accountability, team-work, critical thinking, and the application of basic, fundamental concepts in solving real world problems. The role of the instructor is to clearly articulate the learning outcomes and objectives, create challenging problems for students to solve, and probe their reasoning in reaching conclusions. The purpose of this guide is to provide faculty with a concise set of instructions on how to create a course built on a TBL frame. Using the backward design method, faculty will be guided through the process of first developing learning outcomes, then identifying fundamental course concepts and defining specific learning objectives, followed by generating guided learning materials, and finally creating robust instruments for assessing student learning.

The most comprehensive text available on the use of evidence-based medication therapies for optimal patient outcomes - updated with the latest breakthroughs and guidelines A Doody's Core Title for 2017! Pharmacotherapy: A Pathophysiologic Approach is written to help you advance the quality of patient care through evidence-based medication therapy derived from sound pharmacotherapeutic principles. The scope of this trusted classic goes beyond drug indications and dosages to include the initial selection, proper administration, and monitoring of drugs. You will find everything you need to provide safe, effective drug therapy across the full range of therapeutic categories. Presented in full-color, the Tenth Edition is enriched by more than 300 expert contributors, and every chapter has been updated to reflect the latest in evidence-based information and recommendations. This sweeping updates include tables, charts, algorithms, and practice guidelines. This edition is also enhanced by a timely all-new chapter on Travel Health. Here's why this is the perfect learning tool for students, patient-focused pharmacists, and other health care providers: • All chapters have been updated to provide the most current, reliable, and relevant information possible • Key Concepts at the beginning of each chapter • Clinical Presentation Tables summarize disease signs and symptoms • Clinical Controversies Boxes examine the complicated issues faced by students and clinicians in providing drug therapy • Color coded diagnostic flow diagram, treatment algorithms, dosing recommendations, and monitoring approaches clearly distinguish treatment pathways • Most disease-oriented chapters include updated evidence-based treatment guidelines that often include ratings of the level of evidence to support the key therapeutic approaches Edition after trusted edition, Pharmacotherapy: A Pathophysiologic Approach has been unmatched in its ability to clearly and impartially impart core pathophysiological and therapeutic elements that students and practitioners must be familiar with.

This Book Provides a Foundational Synthesis of Pathophysiology, Pharmacology and Physical Assessment Principles for Asp

Essentials of Human Physiology and Pathophysiology for Pharmacy and Allied Health

EKG auf einen Blick

e. programmierter Kurs

Grundlagen und Anwendung

Pharmacology for the Health Care Professions is an accessible introduction to the pharmacology necessary for health care professionals training to be non-medical prescribers looking for an overview of the subject. The book covers the pharmacology necessary for accredited training programmes in non-medical prescribing and certification in access and supply of prescription-only medicines and will be useful as an ongoing reference for future use in practice. Opening with a general introduction to pharmacology as a science, the book goes on to explain what is meant by drugs and medicines and why pharmacology should be of relevance to health care professionals. The reader is presented with general principles of pharmacology followed by systemic pharmacology that covers the actions of important groups of drugs in common use to treat diseases and conditions of the cardiovascular, respiratory, endocrine, musculoskeletal, skin and central nervous systems. The physiology and pathophysiology relevant to the understanding of how these drugs work is included. Finally the book explores the law in relation to the sale, supply, administration and prescription of drugs and explains what is meant by non-medical prescribing. All aspects of non-medical prescribing are considered including the use of exemptions to the Medicines Act, patient group directions, supplementary prescribing and the development of independent prescribing for nurses and pharmacists. Pharmacology is explained in simple, easy to understand terms and the book avoids any unnecessary chemistry where possible. Case studies that are of particular relevance to health care professionals are used throughout to illustrate the importance of the pharmacology major body systems and pathologies and the potential problems of adverse drug reactions and drug-drug interactions.

Principles of Pharmacology: The Pathophysiologic Basis of Drug Therapy, Third Edition, is a primary textbook for a first course in pharmacology. It offers an integrated mechanism-based and systems-based approach, incorporating the cell biology, biochemistry, physiology, and pathophysiology of organ systems. The completely updated Third Edition features content reflecting current research findings, more than 400 full-color illustrations, Drug Summary Tables, and increased coverage of drug metabolism and the treatment of mycobacterial infections.

Learning and understanding how medicine acts, what the body does to the drug, with both the beneficial and potentially deleterious effects it has, are among the key steps in becoming a pharmacist. Scientific disciplines, such as anatomy, physiology, pathophysiology, genetics, biochemistry and pharmaceutical chemistry are required to clearly and complexly understand the concepts of general pharmacology. This book provides current, readable, necessary background information of this branch of basic pharmacology. It reviews the underlying mechanisms of action of drugs; which factors influence the fate of the drug administered to the organism; and how they can be modulated by a concomitant disease and other therapy. In addition, basic principles of drug interactions are also discussed. This book will be applicable and adaptable to various educational programs for pharmacists and other medical professionals.

Macleods Klinische Diagnose

The Pathophysiologic Basis of Drug Therapy

Die Jubiläumsauflage des Lehrbuch- und Nachschlagewerk-Klassikers für Studium, Beruf und Praxis Korrekt: Zuverlässiges Wissen zu sämtlichen Gebieten der Pharmakologie nach intensiver wissenschaftlicher Recherche. Aktuell: Auf neuestem Stand unter Berücksichtigung der seit der letzten Auflage neu auf den Markt gekommenen Wirkstoffe. Bewährt: Seit mehr als 40 Jahre anerkanntes Standardwerk, Festigung seines Stellenwerts von Auflage zu Auflage. Kritisch: Objektive, unabhängige Bewertung des klinischen Stellenwerts der verschiedenen Wirkstoffe und Wirkstoffgruppen anhand der Evidenz-basierten Medizin sowie der Leitlinien der medizinischen Fachgesellschaften. Anschaulich: Mit zahlreichen neuen sowie didaktisch überarbeiteten Abbildungen und Tabellen, die das Lernen erleichtern. Einprägsam: Durch einleuchtende Erklärungen auch schwieriger Sachverhalte und verständliche, klare Sprache. Umfassend: Neben kurzen Einführungen in die Anatomie und Physiologie integrierte, Zusammenhänge vermittelnde Darstellung der Pathophysiologie, der allgemeinen und klinischen Pharmakologie sowie der Toxikologie. Für Studium: Die zuverlässige Quelle für den Erwerb des pharmakologischen, klinisch-pharmakologischen und toxikologischen Prüfungswissens. . . . sowie für Beruf und Praxis: Das bewährte Nachschlagewerk zur raschen Information über den heutigen Kenntnisstand der Pharmakotherapie.

This concise resource features clear, effective writing and hundreds of illustrations that break down complex information for rapid review. Updated drug information reflects the most current, clinically relevant pharmacology material, approachable outline format distills complex information for easier review and high-quality illustrations reinforce understanding in vibrant detail. How drugs are derived, developed, classified, and administered; classes of drugs by body system; their uses and mechanisms. covers the important concepts students need to know about the science of pharmacology and its application to clinical practice. Selection of the subject matter and order of its presentation are based on the authors' many years' experience in teaching this material to thousands of medical, pharmacy, dental, podiatry, nursing, and other health science students. To be as clinically relevant as possible, the book includes sections that specifically address the clinical choice and use of drugs in patients and the monitoring of their effects, and case studies that introduce clinical problems in many chapters. It also blends the essentials of basic pharmacology and clinical pharmacology so that transition from classroom to clinic is less abrupt. The text that surrounds the tables emphasize key issues pertaining to therapeutic rationale, basic pharmacologic principles and clinical use of drugs. Topics include Principles of Pharmacology (Pharmacokinetics, drug actions at multiple levels, drug interactions, tolerance, dependence and withdrawal), Peripheral Nervous System, Central Nervous System, Cardiovascular and Hematology Drugs, Respiratory Drugs, GI Drugs, Anti-Infective Agents, Anticancer drugs, Anti-Inflammatory and Immunomodulating Agents, and Endocrine System Drugs.