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For more than forty years, animal health professionals have turned to the Merck Veterinary Manual for integrated, concise and reliable veterinary information. Now this manual covering the diagnosis, treatment, and prevention of diseases of companion, food and zoo animals is available on an easy-to-use, fully searchable CD-ROM. The CD includes the full text of The Merck Veterinary Manual 8/e and has been enhanced with picture links featuring original anatomical artwork and numerous clinical and diagnostic illustrations, table links and quick search links that provide quick access to cross referenced text.

The application of evidence-based veterinary medicine (EBVM) can assist in improving and optimising the diagnosis, prognosis, control, treatment and ultimately the welfare of animals. It can also provide the user with a methodology for appropriate, patient orientated life-long, self-directed, learning. To practise evidence-based veterinary medicine we require a range of skills that we may not have. This book explains what evidence-based veterinary medicine is and shows how it can be applied to veterinary practice to improve the quality of care for patients and provide informed choices for owners. It provides the reader with a toolkit of skills necessary to practise evidence-based veterinary medicine. This book is aimed at practitioners but will be of interest to veterinary surgeons at any stage of their training or career wishing to learn about EBVM.

Handbook of Veterinary Neurology provides quick access to vital information on neurologic conditions in a wide range of species, including canine, feline, bovine, caprine, equine, ovine, and porcine. A problem-oriented approach makes it easy to diagnose and treat neurologic problems in small and large animals. The coverage of disorders by problem, not by established disease diagnosis, emulates how animals present to the veterinary hospital and simplifies the formulation of a correct diagnosis. Within each chapter, discussions of neurologic disease include a review of the localization criteria and the diseases that can cause that problem, plus treatment and surgical techniques. Lead author Michael D. Lorenz brings decades of experience to neurologic assessment, using a diagnostic approach that requires minimal knowledge of neuroanatomy. A problem-based approach is organized by presenting sign rather than by condition, guiding you to logical conclusions regarding diagnosis and treatment. Algorithms diagram the logic necessary to localize lesions and to formulate diagnostic plans. Coverage of current diagnostic techniques includes the use of diagnostic tools, such as radiology, spinal fluid analysis, electrodiagnosis, and MR imaging. Case histories in each chapter present a problem and the results of the neurologic examination, then ask you to solve the problem by localizing the lesion, listing probable causes, and making a diagnostic plan. Answers are provided at the back of the book. A consistent format for each case history includes signalment, history, physical examination findings, and neurologic examination. A comprehensive appendix describes species and breeds that have a congenital predisposition for particular neurologic diseases. Extensive references make it easy to pursue in-depth research of more advanced topics. A companion website includes 20 narrated video clips with accompanying PowerPoint slides that correlate to the case histories in the book, covering neurologic assessment and clinical problems such as paresis of one limb, tetraparesis, stupor, seizures, ataxia of the head and limbs, and cranial nerve disorders. Two new co-authors, Jean Coates and Marc Kent, board-certified in neurology, enhance the credibility of this edition. A full-color design and numerous illustrations include enhanced images of neuroanatomy and pathology. Small Animal Clinical Pharmacology is a practical, clinically-oriented pharmacology text designed to provide the veterinary student and practitioner with all the relevant information needed when designing drug treatment regimens for pets in small animal veterinary practice. Comprehensively updated and revised, the second edition of this core text covers essential new information on drugs used in the management of a range of presenting conditions including heart disease and cardiac arrhythmias. For the second edition new authors, superb new illustrations and a second colour have all been introduced. With its unique approach combining a thorough understanding of the pharmacological action of drugs with a basic understanding of the relevant physiology and pathophysiology of systems and tissues affected, Small Animal Clinical Pharmacology continues to be an indispensable book for all veterinary students and practitioners. Organised by drug class in a uniform and detailed structure which means it is easy to locate key information on dose rates, routes of administration, drug interactions and special considerations at a glance Key chapters based around treatment of disorders of particular body systems, eg cardiovascular and thyroid disorders Essential introductory chapters

covering pharmacokinetics, general pharmacological principles and adverse reactions for a thorough basic grounding in the subject All authors are experienced clinicians and recognised experts in their field who bring a down to earth and practical approach to the text

You can trust this user-friendly guide to help you meet the increasing need for effective pain management in the animals you treat. It provides instant access to clinically relevant information on pain assessment, pharmaceutical and non-pharmaceutical treatment options, guidelines for managing acute and chronic pain, and unique aspects of pain management in dogs, cats, horses, cattle, birds, reptiles, ferrets, and rabbits. User-friendly format helps you quickly and easily find essential pain management information. Helpful boxes and tables provide at-a-glance access to pharmacologic protocols and clinical applications, including dosages, indications, contraindications, and side effects. Complementary and alternative treatment strategies are included throughout to assist you in using the latest non-pharmacological pain interventions. Case studies clearly illustrate the practical applications of key concepts in the clinical setting and help you sharpen your pain assessment and management skills. New contributors — many of the most respected experts in the field — share their insights and experiences to bring you the most current thinking in this ever-changing discipline. Completely revised and updated content throughout ensures you are using the best and most current information available on analgesic drugs and pain management techniques. An expanded chapter on Pain Management in Horses and Cattle explores the latest advances in treating this group of animals. Eight new chapters offer cutting-edge coverage of hot topics in the field, including: Pain Management in the Cat Pain Management for the Pet Bird Clinical Approaches to Analgesia in Reptiles Clinical Approaches to Analgesia in Ferrets and Rabbits Physical Therapy and Rehabilitation in Dogs Rehabilitation Methods and Modalities for the Cat Quality of Life Issues Hospice and Palliative Care

Papich Handbook of Veterinary Drugs, 5th Edition includes concise entries for more than 550 drugs, with appendices summarizing clinically relevant information at a glance. Nineteen new drug monographs are added to this edition, and over 100 drug monographs have been updated and revised. An Expert Consult website contains more than 150 instructional handouts that may be customized and printed out for your clients. Written by clinical pharmacology expert Mark Papich, this handy reference makes it easy to find the drug data and dosage recommendations you need to treat small and large animals, right when you need it! Over 550 concise drug monographs are organized alphabetically and cross-referenced by classification, trade, and generic name, providing quick and easy access to key information for each drug including: • Generic and trade names, pronunciation, and functional classification • Pharmacology and mechanism of action • Indications and clinical uses • Precautionary information — adverse reactions and side effects, contraindications and precautions, and drug interactions — all featured in colored boxes for at-a-glance retrieval • Instructions for use • Patient monitoring and laboratory tests • Formulations available • Stability and storage • Dosage information for both small and large animals • Regulatory information Clinically relevant appendices help you determine appropriate therapeutic regimens and look up safety and legal considerations. NEW! 19 new drug monographs familiarize you with the latest drugs available for veterinary practice. UPDATED drug monographs include new information such as changes in doses, interactions, indications, adverse reactions, and contraindications. NEW! Expert Consult companion website replaces the former website and includes more than 150 customizable client information handouts for commonly prescribed drugs, including information on the prescribed drug and dosage, do's and don'ts, and possible side effects. NEW! Removal of entries for drugs that have been taken off the market.

Long acting veterinary formulations play a significant role in animal health, production and reproduction within the animal health industry. Such technologies offer beneficial advantages to the veterinarian, farmer and pet owner. These advantages have resulted in them growing in popularity in recent years. The pharmaceutical scientist is faced with many challenges when innovating new products in this demanding field of controlled release. This book provides the reader with a comprehensive guide on the theories, applications, and challenges associated with the design and development of long acting veterinary formulations. The authoritative chapters of the book are written by some of the leading experts in the field. The book covers a wide scope of areas including the market influences, preformulation, biopharmaceutics, in vitro drug release testing and specification setting to name but a few. It also

provides a detailed overview of the major technological advances made in this area. As a result this book covers everything a formulation scientist in industry or academia, or a student needs to know about this unique drug delivery field to advance health, production and reproduction treatment options and benefits for animals worldwide.

The Fifth Edition of Antimicrobial Therapy in Veterinary Medicine, the most comprehensive reference available on veterinary antimicrobial drug use, has been thoroughly revised and updated to reflect the rapid advancements in the field of antimicrobial therapy. Encompassing all aspects of antimicrobial drug use in animals, the book provides detailed coverage of virtually all types of antimicrobials relevant to animal health. Now with a new chapter on antimicrobial therapy in zoo animals, Antimicrobial Therapy in Veterinary Medicine offers a wealth of invaluable information for appropriately prescribing antimicrobial therapies and shaping public policy. Divided into four sections covering general principles of antimicrobial therapy, classes of antimicrobial agents, special considerations, and antimicrobial drug use in multiple animal species, the text is enhanced by tables, diagrams, and photos. Antimicrobial Therapy in Veterinary Medicine is an essential resource for anyone concerned with the appropriate use of antimicrobial drugs, including veterinary practitioners, students, public health veterinarians, and industry and research scientists.

Provide expert care for cats and dogs! Kirk and Bistner's Handbook of Veterinary Procedures and Emergency Treatment, 9th Edition covers not only the management of emergency conditions, but also strategies for dealing with hundreds of routine diagnostic and treatment challenges in small animals. Its user-friendly format provides instant access to vital information -- making it an ideal resource in emergency situations -- and it is conveniently organized by both body systems and presenting signs to help you easily reach a diagnosis and determine a treatment plan for all clinical situations. Written by veterinary experts Richard Ford and Elisa Mazzaferro, Kirk and Bistner's Handbook of Veterinary Procedures and Emergency Treatment provides current guidelines for small animal emergency care and the diagnostic procedures most commonly performed in a busy, team-oriented practice. Step-by-step instructions and illustrations are provided for all major emergency and non-emergency clinical procedures. A logical, easy-to-use format lists all emergency conditions in alphabetical order, and includes quick reference boxes calling out key information such as clinical tips and cautions. Clear, concise guidelines help you evaluate clinical signs and laboratory test data. Clinical algorithms make it easier to identify and treat abnormalities. Guidelines for assessment and treatment include practical advice and solutions, how to examine the small animal patient using a body systems and problem list approach, and a review of basic diagnostic procedures used in daily practice. Coverage of toxicological emergencies describes how to manage exposures and poisonings. A quick reference guide to the management of the emergency patient is conveniently located on the inside cover. A comprehensive drug formulary makes lookup easy, and includes proprietary names, actions/use of each drug, formulations, recommended dosages, and special precautions, with emergency medications highlighted for fast reference This all-in-one reference includes practical coverage of emergency procedures, physical assessment in sickness and health, routine and advanced testing procedures, diagnostic tests sampling, preparation, procedures, and interpretation. Quick Reference boxes include potential causes of each clinical abnormality and associated signs, step-by-step diagnostic plans, and clinical algorithms. The latest vaccination guidelines include protocols for dogs and cats at low, medium, and high risk of exposure to infectious diseases. Updated coverage keeps you current with the latest on pain assessment, prevention, and treatment.

Laser Therapy in Veterinary Medicine: Photobiomodulation is a complete guide to using therapeutic lasers to treat veterinary patients, focusing on practical information. Offers a comprehensive resource for incorporating therapeutic lasers in veterinary practice Focuses on practical information tailored for the veterinary clinic Written by 37 leading experts in veterinary laser therapy Provides a thorough foundation on this standard-of-care modality Emphasizes clinical applications with a real-world approach Treat the diseases affecting large animals! Veterinary Medicine, 11th Edition provides up-to-date information on the diseases of horses, cattle, sheep, goats, and pigs. Comprehensive coverage includes the principles of clinical examination and making a diagnosis, along with specific therapy recommendations. For easier use, this edition has been divided into two volumes and restructured into a logical, anatomically based approach to disease. From internationally known veterinary experts Peter Constable,

Kenneth Hinchcliff, Stanley Done, and Walter Grünberg, this book is the definitive, one-stop reference for farm animal and equine care. Comprehensive coverage includes information essential to any large-animal veterinarian, especially those working with horses, cattle, sheep, goats, or pigs. Coverage of diseases addresses major large-animal diseases of all countries, including foreign animal and emerging diseases. User-friendly format makes it easier to quickly absorb key information. Quick review/synopsis sections make important information on complex diseases easy to find. NEW! Convenient, easy-access format is organized by organ systems, and divides the content into two compact volumes with the same authoritative coverage. Nearly 200 new color photographs and line drawings are included in this edition. NEW full-color design improves navigation, clarifies subject headings, and includes more boxes, tables, and charts for faster reference. New Diseases Primarily Affecting the Reproductive System chapter is added. Updated and expanded chapter on pharmacotherapy lists therapeutic interventions and offers treatment boxes and principles of antibiotic use. Expanded sections on herd health include biosecurity and infection control, and valuable Strength of Evidence boxes. NEW or extensively revised sections include topics such as the Schmallenberg and Bluetongue viral epidemics of ruminants in Europe, Wesselbron disease in cattle, hypokalemia in adult cattle, equine multinodular pulmonary fibrosis, Hendra virus infection, porcine reproductive and respiratory syndrome, torque teno virus, and numerous recently identified congenital and inherited disorders of large animals. Additional content is provided on lameness in cattle and the diseases of cervids.

Meticulously organized by body system for optimal readability and ease of reference, the 3rd edition of this best-selling manual provides quick, comprehensive, and practical guidance on evaluating and managing a full range of common medical and surgical conditions encountered in small animal practice. Medical chapters discuss etiology, clinical signs, diagnoses and treatment, while surgical chapters discuss anatomy, preoperative considerations, procedures and postoperative care. It also contains an entire section devoted to avian and exotic pets and a comprehensive drug formulary. A consistent outline format provides easy access to information on etiology, clinical signs, diagnosis, and treatment for each disease or disorder, as well as anatomy, preoperative conditions, techniques, and postoperative care for surgical procedures. Key Points draw attention to helpful tips and key concepts. Includes a comprehensive section covering diagnosis, treatment, and surgery for avian and exotic pets. Features new chapters that cover key topics such as physical therapy and rehabilitation, pain management, vaccination guidelines, and syncope. Includes the latest information on drugs and clinical equipment throughout.

Large Animal Internal Medicine, 4th Edition features a problem-based approach with discussions of over 150 clinical signs. This is the first internal medicine reference that enables you to efficiently diagnose horses, cattle, sheep, and goats based on clinical observation and laboratory and diagnostic testing. With this user-friendly format, you can find essential information about specific diseases and reach a diagnosis by simply identifying the signs. A unique problem-based approach with discussions of over 150 clinical signs and manifestations helps you quickly reach a diagnosis based on observations and laboratory tests. Causes of Presenting Signs boxes provide easy access to complete lists of common, less common, and uncommon diseases associated with manifestations or signs of disease. Complete lists of diseases associated with a given lab abnormality in Causes of Abnormal Laboratory Values boxes help you easily interpret abnormalities in clinical chemistry, hematology, blood proteins, and clotting tests. An expert team of over 180 authors contributing information in their areas of expertise ensures you are using the most accurate and up-to-date information available. Color plates accompanying Diseases of the Eye and Diseases of the Alimentary Tract enable you to visually recognize the clinical appearance of ophthalmologic conditions and alimentary tract disorders for quick and easy diagnosis and treatment. Six all-new chapters provide in-depth coverage of diagnostic testing, critical care and fluid therapy, biosecurity and infection control, and genetic disorders.

A pharmaceutical handbook for the practicing veterinarian. The authors have divided the book into sections: small animal, large animal, exotic and avian. Each section provides both a summary of common dosages and a detailed description of drugs used. These descriptions, organized alphabetically, include indications, routes of administration, adverse and common side effects, drug interactions, source of supply and, in many cases, both the US and Canadian generic names.

Now in its third edition, and for the first time in full-color, Exotic Animal Medicine for the Veterinary Technician is a comprehensive yet clear introduction to exotic animal practice for technicians in the classroom and clinic setting alike. With an emphasis on the exotic species most likely to present to a veterinary practice, coverage includes avian, reptiles, amphibians, fish, small mammals, and wildlife. Now in full color Features anatomy, restraint, common diseases to radiology, surgical assisting, and parasitology New chapter on fish medicine Companion website offering review questions and images from the text in PowerPoint

Every day veterinarians in practice are asked to treat pets exhibiting problem behaviors. In the last several years pharmacologic

treatments of behavior have made significant advances and can serve as a critical part of therapy. Veterinary Psychopharmacology is a complete source of current knowledge on the subject of pharmacologic behavior modification that veterinarians can turn to for the answers they need. Classification of disorders is eschewed in favor of in-depth explanations of pharmacologic options in inducing behavior changes. Special emphasis is given to explaining the underlying mechanism of pharmacologic agents used in therapy; thus, veterinarians will know not only which drugs to prescribe but why they should be prescribed and how they work. Veterinary behaviorists, their students and residents, veterinary practitioners of all levels, and veterinary students will find this book invaluable in providing information about their patients' behavior problems and the psychoactive medications that might help them.

Small Animal Critical Care Medicine is a comprehensive, concise guide to critical care, encompassing not only triage and stabilization, but also the entire course of care during the acute medical crisis and high-risk period. This clinically oriented manual assists practitioners in providing the highest standard of care for ICU patients. More than 150 recognized experts offer in-depth, authoritative guidance on clinical situations from a variety of perspectives. Consistent, user-friendly format ensures immediate access to essential information. Organ-system, problem-based approach incorporates only clinically relevant details. Features state-of-the-art invasive and non-invasive diagnostic and monitoring procedures, as well as an extensive section on pharmacology. Appendices provide conversion tables, continuous rate infusion determinations, reference ranges, and more.

The Veterinary Drug Handbook: Client Information Edition helps veterinarians and pharmacists bridge the drug information gap between themselves and the people (clients; owners) who are treating their animals. Several studies have demonstrated that people receiving verbal information from health professionals retain very little of that information once they leave the premises of their health provider. The information provided in this book will supplement the actual care provided and help in the task at hand, namely to improve the health of animals. The authors have included drugs that are commonly prescribed by small animal and equine practitioners, both those that are veterinary and "human" labeled medications. The authors also provide this information in a format that can be understood by any reader. The information presented in these monographs will enable the animal caregiver to be better informed about the medication in question and to work with their veterinarian and pharmacist on the journey to positive therapeutic outcomes.

Plumb's Veterinary Drug Handbook, Ninth Edition updates the most complete, detailed, and trusted source of drug information relevant to veterinary medicine. Provides a fully updated edition of the classic veterinary drug handbook, with carefully curated dosages per indication for clear guidance on selecting a dose Features 16 new drugs Offers an authoritative, complete reference for detailed information about animal medication Designed to be used every day in the fast-paced veterinary setting Includes dosages for a wide range of species, including dogs, cats, exotic animals, and farm animals

Textbook for the Veterinary Assistant offers a comprehensive guide to the NAVTA-approved curriculum for veterinary assisting programs. Written by leaders in the profession and copublished with NAVTA, the book covers the complete list of NAVTA Veterinary Assistant Essential Skills. Specifically tailored for veterinary assistants and veterinary assistant students, the book uses an engaging writing style to provide a concise, user-friendly approach to the material. With chapters on medical terminology, clinical skills, office procedures, client communication, and more, the book equips veterinary assistants with all the information they need to succeed. A companion website offers interactive multiple-choice questions, the figures from the book in PowerPoint, teaching activities, breed study guides, and a sample cover letter. Textbook for the Veterinary Assistant is a must-have resource for all veterinary assistant students and those studying for the Approved Veterinary Assistant certification exam, and serves as a useful refresher for veterinary assistants in practice.

Logically organized by taxonomic groups, this up-to-date text covers the diagnosis and treatment of all zoo animal species and free-ranging wildlife, including amphibians, reptiles, birds, mammals, and fish, unlikely to be seen by private practice veterinarians. Featuring full-color images, the consistent, user-friendly format supplies information on each animal's biology, unique anatomy, special physiology, reproduction, restraint and handling, housing requirements, nutrition and feeding, surgery and anesthesia, diagnostics, therapeutics, and diseases. Global authorship includes multinational contributors who offer expert information on different species from around the world. "Veterinary care of non-traditional species is a rapidly progressing field and this title is the much awaited updated version of this zoo and wildlife practitioner's 'bible'. Reviewed by: Charlotte Day on behalf of The Veterinary Record, Oct 14 Global authorship includes internationally recognized authors who have contributed new chapters focusing on the latest research and clinical management of captive and free-ranging wild animals from around the world. Zoological Informa-

tion Management System chapter offers the latest update on this brand new system that contains a worldwide wealth of information. General taxonomy-based format provides a comprehensive text for sharing information in zoo and wildlife medicine. Concise tables provide quick reference to key points in the references. NEW! All new authors have completely revised the content to provide fresh perspectives from leading experts in the field on the latest advances in zoo and wild animal medicine. NEW! Color images vividly depict external clinical signs for more accurate recognition and diagnosis.

The leading reference for the diagnosis and management of fluid, electrolyte, and acid-base imbalances in small animals, Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice, 4th Edition provides cutting-edge, evidence-based guidelines to enhance your care of dogs and cats. Information is easy to find and easy to use, with comprehensive coverage including fluid and electrolyte physiology and pathophysiology and their clinical applications, as well as the newest advances in fluid therapy and a discussion of a new class of drugs called vaptans. Lead author Stephen DiBartola is a well-known speaker and the "go-to" expert in this field, and his team of contributors represents the most authoritative and respected clinicians and academicians in veterinary medicine. Over 30 expert contributors represent the "cream of the crop" in small animal medicine, ensuring that this edition provides the most authoritative and evidence-based guidelines. Scientific, evidence-based insights and advances integrate basic physiological principles into practice, covering patient evaluation, differential diagnosis, normal and abnormal clinical features and laboratory test results, approaches to therapy, technical aspects of therapy, patient monitoring, assessing risk, and prediction of outcomes for each disorder. Hundreds of tables, algorithms, and schematic drawings demonstrate the best approaches to diagnosis and treatment, highlighting the most important points in an easy-access format. Drug and dosage recommendations are included with treatment approaches in the Electrolyte Disorders section. Clear formulas in the Fluid Therapy section make it easier to determine the state of dehydration, fluid choice, and administration rate and volume in both healthy and diseased patients. Updated chapters cover the latest advances in fluid therapy in patient management, helping you understand and manage a wide range of potentially life-threatening metabolic disturbances. Expanded Disorders of Sodium and Water chapter includes information on a new class of drugs called vaptans, vasopressin receptor antagonists that may soon improve the ability to manage patients with chronic hyponatremia. Hundreds of new references cover the most up-to-date advances in fluid therapy, including renal failure and shock syndromes.

This is a fully revised new edition of this essential text covering anaesthesia and analgesia in all large and small animal species. The new edition has greatly expanded sections on anaesthesia of exotic species such as small mammals, llamas, camels and many more, and also has a new section on anaesthesia of wild animals, both large and small, and birds. The book is divided into 3 sections; the first, Principles and Procedures covers pharmacology and pharmacokinetics, monitoring, sedation and premedication and much more. The second section comprises chapters on anaesthesia in all the main species and the third section covers anaesthesia in special cases, complications and crises! Almost 200 prints and line illustrations enhance the comprehensive text, and make the new edition of Veterinary Anaesthesia 10/e an essential purchase for all vets! all large and small animal species covered in one book: includes new advances in anaesthesia in horses, birds, lab animals and wild animals glossary of USA and UK drug names: up-dated coverage of all new anaesthetic agents in Europe and the USA first section covers principles of drug action, pharmacokinetics and pharmacodynamics the only book to discuss anaesthesia of individual species in detail: lot of info on anaesthesia of goats, sheep and other herbivores such as camels and llamas also covers analgesia in all species chapter on special cases such as anaesthesia in obstetrics chapter on anaesthetic accidents and crises! the new edition will be made more student-friendly by adding special boxes in the text which will be relevant for this group. Full revision and update of content Accompanying CD-ROM contains ... "customizable client information handouts for 125 of the most commonly prescribed small animal drugs, with clear, concise instructions that encourage compliance."--P. [4] of cover.

Many controlled release veterinary drug delivery systems (CRVDDS) are presently in use, and recently there has been a host of new CRVDDS within veterinary medicine. The challenges of this area of drug delivery arise from the unique anatomy and physiology of the target animal, the cost constraints associated with the value of the animal being treated and the extended periods of time that delivery must be sustained for (often measured in months). The purpose of this book is to introduce the reader to the unique opportunities and challenges of the field of CRVDDS and to explain and discuss the basic controlled release principles underlying the development of CRVDDS. Its aim is to provide an overview of many of the areas where CRVDDS have application, and to highlight the opportunities and prospects for controlled release technology in the veterinary field. Controlled Release Veterinary Drug Delivery comprises chapters that provide workers in the field (and

those interested in this area) with information on the design, development and assessment of a variety of CRVDDS. The book contains chapters that describe the relevant animal physiological and anatomical considerations alongside descriptions of current and emerging controlled release delivery systems for a variety of routes for drug delivery, and present overviews on the physical and chemical assessment of veterinary controlled release delivery systems. The veterinary area is abound with opportunities for the development of controlled release drug delivery technologies. It is an area of medicine that is open to the acceptance of novel drug delivery devices, and which readily encompasses the use of novel routes of administration. It is an area of many unmet needs, most of which offer opportunities and unique challenges for the innovative formulation scientist to provide solutions. This book will provide an insight into the biological, clinical and pharmaceutical challenges that face the formulation scientist in this interesting and diverse area of research.

Diagnose and determine treatment for toxic exposures in small animals with this quick reference! *Small Animal Toxicology, 3rd Edition* covers hundreds of potentially toxic substances, providing the information you need to manage emergency treatment and prevent poisonings in companion animals. To help you identify an unknown poison, this guide provides a list of potential toxins based on clinical signs or symptoms. It also includes a NEW color insert with 85 full-color photographs of toxic plants and of lesions associated with various poisonings. Written by respected veterinarian Michael E. Peterson and board-certified veterinary toxicologist Patricia A. Talcott, along with a team of expert contributors, this edition covers a wide variety of topics including toxicodynamics, toxicokinetics, effective history taking, recognizing clinical signs of toxic exposures, managing emergencies, and supportive care of the poisoned patient. Comprehensive coverage of toxins/poisons includes the full range of substances from acetaminophen to zinc, including home products, prescription medicines, recreational drugs, and more. Guidelines to evaluation, diagnosis and treatment include examinations of the source, toxic dose, toxicokinetics, clinical signs, minimum database, confirming tests, treatment progress and differential diagnosis for each specific toxicant. Coverage of common poisonous substances includes grapes and raisins, nicotine, mercury, mushrooms, Christmas-time plants, and snake and spider venoms. *Toxicological Concepts* section provides information on toxicologic principles such as history taking, providing supportive care, and managing emergency treatment. *General Exposures* section addresses nontraditional toxicology such as indoor environmental air, pesticides, pharmaceuticals, and toxicities in pregnant and lactating animals. *Miscellaneous Toxicant Groups* section covers commonly encountered specific toxicants, the proper use of diagnostic laboratories, use of human poison control centers, and antidotes for specific toxins. More than 50 international contributors provide up-to-date, authoritative advice on treating poisonings and intoxications. 8 NEW chapters cover topics including legal considerations in toxicology cases, responding to mass exposures, and poisonings in birds, small mammals, and geriatric patients. NEW color insert shows 85 of the most commonly encountered toxic substances for at-a-glance identification. UPDATED Signs and Symptoms index makes it easier to find information on a toxic agent by presenting signs rather than requiring the formulation of a diagnosis. UPDATED information on agents most likely to cause a toxic reaction includes natural flea products and an expanded section on human medications. NEW quick-access format with bold headings and convenient tables and boxes allows quick retrieval of information in emergency situations.

Veterinary Pharmacology and Therapeutics, Tenth Edition is a fully updated and revised version of the gold-standard reference on the use of drug therapy in all major veterinary species. Provides current, detailed information on using drug therapies in all major domestic animal species Organized logically by drug class and treatment indication, with exhaustive information on the rational use of drugs in veterinary medicine Includes extensive tables of pharmacokinetic data, products available, and dosage regimens Adds new chapters on pharmaceuticals, ophthalmic pharmacology, food animal pharmacology, and aquatic animal pharmacology Includes access to a companion website with the figures from the book in PowerPoint

The fourth edition of Donald Plumb's "Veterinary Drug Handbook" remains the resource every veterinarian needs within reach. This one-volume comprehensive coverage of the systemic drugs used in veterinary medicine and an extensive appendix makes it an essential tool.

This title is directed primarily towards health care professionals outside of the United States. Designed and written specifically for veterinary nurses, it focuses on the practical application of knowledge and encourages a problem-solving approach by introducing a discussion of the potential uses of drugs and exploring a variety of therapies. The text builds upon a general background of anatomy and physiology, chemical sciences and microbiology enabling the reader to understand and engage with the topic more fully. Photographs and detailed line drawings illustrate the more complex areas of pharmacology and aid comprehension of the general action mechanisms of the various drugs discussed. Complicated concepts are presented in a user-friendly way to maximise unders-

tanding. The first book on pharmacology that meets the needs of every veterinary nurse - from student to qualified Each chapter is headed with a list of learning outcomes for easy use Inclusion of self-test questions to aid revision A useful reference tool in clinical situations Offers practical advice on pharmacy management Recent research into drug therapy is included and future pharmacological therapies and recommended treatment protocols are discussed

Handbook of Veterinary Pharmacology is a clear and concise guide to pharmacology concepts and commonly used veterinary drugs. Providing a succinct overview of veterinary pharmacology, this book presents information in a user-friendly outline format to allow quick access to practical drug information. With chapters covering the basic principles, specific drugs, interactions, and legal considerations, *Handbook of Veterinary Pharmacology* offers up-to-date information on basic and clinical veterinary pharmacology. As an aid to student comprehension, simple line drawings depict the mechanisms of action and study questions with explanations are included at the end of each chapter. Appendices on withdrawal times for drugs in production animals and drug dosages in domestic species are a valuable tool, allowing quick decisions on drug therapy. *Handbook of Veterinary Pharmacology* is an indispensable text for veterinary students and practitioners.

Field Manual for Small Animal Medicine offers anyone working in resource-limited environments a practical resource for delivering veterinary care outside the traditional hospital or clinic setting. Offers the only comprehensive resource for best practices when practicing veterinary medicine in resource-limited environments Integrates practical and cost-effective protocols where the ideal solution may not be available Presents information on vital topics such as operating a field spay/neuter clinic, emergency sheltering, sanitation and surgical asepsis, preventive care practices, zoonotic diseases, and euthanasia Serves as a quick reference guide for common surgical procedures, cytology interpretation, anesthesia and treatment protocols, and drug dosing

Designed to be a concise, quick reference for veterinarians and anyone working with exotic animals, this portable formulary addresses common questions and medical situations encountered in clinical practice. Coverage of all drugs -- including antimicrobial, antifungal, and antiparasitic agents -- provides appropriate dosage information and comments for all exotic species. This resource features extensive coverage of birds, as well as recommendations on therapies and diets in the appendices. Covers all exotic species in a quick-reference format. User-friendly layout is formatted in columns with the agent, dosage, and comments easy to locate on the page. Features an extensive section on birds, the most common of exotic pets. Detailed appendices include classification of select antimicrobials used in exotic animal medicine, therapies commonly used in exotic animals, and selected laboratories conducting avian and reptile diagnostic procedures Many new drugs have been added. All drug dosages have been re-checked to ensure accuracy. Twelve excellent contributing authors have joined this edition.

Exotic Animal Emergency and Critical Care Medicine delivers the most relevant and current information required by general veterinary practitioners and veterinary specialists in treating emergent and critical exotic patients. Covering the management of common emergency presentations in exotic companion mammals, birds, reptiles, and amphibians, each section discusses triage and stabilization, diagnostics, nutrition and fluid therapy, analgesia, anesthesia, monitoring, CPR, and euthanasia. The book includes quick reference tables, species-specific drug formularies, and illustrations of exotic animal emergency procedures and techniques. The information contained within is based on an extensive review of the most current literature and the combined knowledge and expertise of international leaders in the field of exotic animal medicine and surgery. A one-stop resource like no other, *Exotic Animal Emergency and Critical Care Medicine* makes it easy to find the information needed to effectively treat urgent and life-threatening conditions in pet exotic animals. The book covers a wide range of species, encompassing: Exotic companion mammals, including ferrets, rabbits, guinea pigs, chinchillas, rats, mice, hamsters, gerbils, hedgehogs, and sugar gliders Birds, including psittacines, passerines, doves and pigeons, as well as backyard poultry and waterfowl Reptiles, including turtles and tortoises, snakes and lizards Amphibians Equally useful for general practitioners, specialists in emergency and critical care and exotic animal medicine, veterinary students, and trainees, *Exotic Animal Emergency and Critical Care Medicine* is an essential resource for the emergent and critical care of exotic animals.

This book is dedicated to the fundamental clinical signs of astute observation, careful differential diagnosis and analytical therapeutic decision-making in emergency veterinary settings. It clearly defines the physiological and clinical principles fundamental to the management of the critically ill small animal patient. With clear guidelines for organizing an emergency/critical care unit, the book also discusses ethical and legal concerns. The 80 expert authors have created a clinically specific resource for the specialist, residents in training, veterinary practitioners, technicians and students. Published by Teton New Media in the USA and distributed by CRC Press outside of North America.

Delivers the foundational and practical knowledge required for

pharmacists to become an integral part of the veterinary health care team, improving therapeutic outcome while preventing serious adverse drug reactions in veterinary patients Pharmacotherapeutics for Veterinary Dispensing enables pharmacists and pharmacy students to expand the breadth of their pharmacological knowledge to include common veterinary species. The book offers a practical yet complete resource for dispensing drugs for canine and feline patients, with additional chapters on horses, birds, reptiles, small mammals, and food animals. Edited by a globally recognized expert in veterinary pharmacology, and including chapters written by veterinarians with expertise in pharmacotherapy and pharmacists with expertise in veterinary medicine, this book is designed to help pharmacists enhance the quality of veterinary patient care. This book is the first to combine the expertise of both veterinarians and pharmacists to enable pharmacists to apply their knowledge and skills to assure optimal therapeutic outcomes for patients of all species. *Pharmacotherapeutics for Veterinary Dispensing: Puts the information needed to safely dispense prescription and OTC drugs for veterinary patients at the pharmacists' fingertips Focuses on crucial details of canine and feline pharmacotherapeutics Helps pharmacists avoid adverse drug reactions including pharmacogenomic and breed-related drug sensitivities Offers an authoritative resource written by leading veterinary pharmacy experts designed to integrate pharmacists into the veterinary healthcare team Includes crucial regulatory information unique to veterinary drug dispensing and compounding* *Pharmacotherapeutics for Veterinary Dispensing* is an essential reference for all pharmacists and pharmacy students that might find themselves dispensing drugs to veterinary patients, as well as for veterinarians and others involved with dispensing veterinary drugs.

Laboratory Animal Medicine is a compilation of papers that deals with the diseases and biology of major species of animals used in medical research. The book discusses animal medicine, experimental methods and techniques, design and management of animal facilities, and legislation on laboratory animals. Several papers discuss the biology and diseases of mice, hamsters, guinea pigs, and rabbits. Another paper addresses the dog and cat as laboratory animals, including sourcing of these animals, housing, feeding, and their nutritional needs, as well as breeding and colony management. The book also describes ungulates as laboratory animals, including topics on sourcing, husbandry, preventive medical treatments, and housing facilities. One paper addresses primates as test animals, covering the biology and diseases of old world primates, Cebidae, and ferrets. Some papers pertain to the treatment, diseases, and needed facilities for birds, amphibians, and fish. Other papers then deal with techniques of experimentation, anesthesia, euthanasia, and some factors (spontaneous diseases) that complicate animal research. The text can prove helpful for scientists, clinical assistants, and researchers whose work involves laboratory animals.

This single-volume reference contains essential information that veterinary practitioners and students need to know about hundreds of systemic drugs currently available. *Veterinary Drug Handbook* covers drugs approved for use in veterinary medicine as well as non-approved human drugs routinely used in veterinary practice today Intended as a rapid reference, it features more than 370 drug monographs that include information on: chemical characteristics; storage, stability, and physical compatibility; pharmacology; pharmacokinetics; uses and indications; contraindications, precautions, and reproductive safety; and adverse effects and warnings. New to the third edition are: more than 25 new drug monographs, information on prescription diets for dogs and cats, and an additional index of drugs by use/indication.

Manual of Small Animal Emergency and Critical Care Medicine, Second Edition presents essential information on common emergencies in small animals using a concise, practical outline format. Offering a thorough update to this classic reference, the new edition provides new chapters on orthopedic injuries and wound management, significant revisions to the treatment protocols, and expanded toxicology information, as well as new references and drug information. The book retains its logical division into two parts, the first covering initial stabilization and the second offering a systems approach to specific conditions. As in the previous edition, chapters are extensively indexed and cross-referenced to facilitate ease of use in emergency situations. With many formulas, tables, drug dosages, and illustrations, *Manual of Small Animal Emergency and Critical Care Medicine* is an indispensable, convenient resource for busy emergency clinicians, whether they are new graduates or seasoned professionals.

With a unique focus on the most effective interventional techniques, *Withrow & MacEwen's Small Animal Clinical Oncology, 5th Edition* tells the full story of cancer in dogs and cats — what it is, how to diagnose it, and how to treat many of the most common cancers encountered in clinical practice. Nearly 500 color photographs, diagrams, x-rays, and gross views depict the clinical manifestations of various cancers. This edition covers the latest advances in clinical oncology, including chemotherapy, surgical oncology, and diagnostic techniques. With contributions from 65 veterinary oncology experts, this authoritative reference is a must-have for current, evidence-based therapeutic strategies on canine and feline oncology. "I really love this book. If you are interested

in veterinary oncology, have a flick through this book online or at a conference when you get the chance. I hope that you agree with me that this is the definitive oncology reference source for the early 21st century and that you feel compelled to buy it. Your patients will thank you for it." Reviewed by: Gerry Polton MA VetMB MSc(Clin Onc) DipECVIM-CA(Onc) MRCVS, UK Date: July 2014 Cutting-edge information on the complications of cancer, pain management, and the latest treatment modalities prepares you to diagnose and treat pets with cancer rather than refer cases to a specialist. A consistent format for chapters on body system tumors includes coverage of incidence and risk factors, pathology, natural behavior of tumors, history and clinical signs, diagnostic techniques and workup, treatment options, and progn-

osis for specific malignancies. A systems approach to the diagnosis and management of cancer facilitates access to information about the many malignancies affecting small animal patients. Nearly 500 color images provide accurate depictions of specific diseases and procedures. Helpful drug formularies provide quick access to information on indications, toxicities, and recommended dosages for chemotherapeutic and analgesic drugs used in cancer treatment. Expert contributors provide in-depth coverage of the most current information in his or her respective specialty in veterinary oncology. Chemotherapy protocols are included when case studies prove clinical efficacy. Discussion of compassion and supportive care for the management of pain, nutritional needs, and grief includes methods for handling the pet's pain and nutritional

complications as well as the pet owner's grief when treatment is not successful. Thoroughly UPDATED chapters cover the most recent changes in the clinical management of melanoma, mast cell tumors, tumors of the skeletal system, tumors of the endocrine system, tumors of the mammary gland, urinary cancers, nervous system cancers, lymphoma, and histiocytic diseases. NEW Clinical Trials and Developmental Therapeutics chapter discusses the various phases of clinical trials as well as current challenges and opportunities in oncology drug development. NEW! A focus on the best recommended treatment options highlights therapeutic strategies that have been vetted by veterinary oncology experts. NEW co-author Dr. Rodney L. Page adds his valuable perspective, expertise, and research experience.