

Applied Pharmacology For Veterinary Technicians 5e

Surgical Patient Care for Veterinary Technicians and Nurses is a highly practical reference covering all aspects of caring for canine and feline surgical patients. Covers all tasks associated with small animal surgical patient care, from the initial exam and beyond discharge Offers clear descriptions of common surgical assisting procedures and their etiology Presents 285 full-color clinical photographs to demonstrate common surgical instruments and assisting procedures and patient care Includes chapters on the history and physical examination, pre-operative planning, asepsis, surgical assisting, procedures, wound management, postoperative care, and aftercare Includes access to a companion website with review questions and answers and the figures from the book in PowerPoint

No veterinary technician should be without this pocket-sized reference! Ideal for the clinical setting, Mosby's Veterinary PDQ, 2nd Edition provides quick access to hundreds of veterinary medicine facts, formulas, lab values, and procedures. Coverage includes key topics such as pharmacology, math, animal care, common diseases, diagnostic procedures, imaging techniques, parasite identification, urinalysis, blood tests, and other lab work. This full-color, practical guide makes it easy to find the information that is most useful in practice! Easy-to-read charts and tables provide quick access to key information that is commonly used but rarely memorized. Valuable formulas, conversions, and lab values make it easy to look up the data needed to deliver safe and effective veterinary care. Quick-access format is organized into 10 tabbed, color-coded sections, and makes it easy to find facts quickly. Full-color photos and line drawings illustrate procedures and tests, dental and surgical instruments, parasites, and urine and blood analysis. Compact size easily fits in the busy vet tech's pocket. Spiral binding allows you to lay the book flat or keep it open to a page that is commonly referred to. Durable pages can endure the wear and tear of the clinical setting, and may be easily wiped clean. NEW step-by-step procedures include blood collection and injection techniques. NEW drug information covers the newest pharmacologic agents, ensuring you are up to date with uses, adverse side effects, and dosage forms. Coverage of NEW test kits describes the newest testing products available. Increased coverage of capnography and monitoring of patients under anesthesia provides information on these key topics. Added photos of cells and urine sediment show urinalysis and fecal examinations, which are both routinely performed.

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.

Learn to calculate dosages accurately and administer drugs safely! Applied Pharmacology for Veterinary Technicians, 6th Edition shows you how to determine drug dosages, administer prescribed drugs to animals, and instruct clients about side effects and precautions. Coverage of drugs includes pharmacokinetics, pharmacodynamics, clinical uses, dosage forms, and adverse effects. An Evolve companion website offers animations of pharmacologic processes, practice with dosage calculations, narrated videos demonstrating drug administration techniques, and more. Written by veterinary technology educator Lisa Martini-Johnson, this resource provides the pharmacology knowledge you need to succeed as a vet tech! Quick-access format makes it easy to find important drug information, including clinical uses, dosage forms, and adverse side effects. Body systems organization follows a logical sequence of study. Illustrated, step-by-step procedures demonstrate proper administration techniques for common drug forms. Key terms, chapter outlines, Notes boxes, and learning objectives focus your learning and make studying easier. Proprietary drug names are listed with the generic drug names, highlighting drugs that have generic options. Companion Evolve website includes drug administration videos, drug calculators with accompanying word problems, animations of pharmacologic processes, and dosage calculation exercises. Dosage calculation exercises provide practice immediately after new information is presented. Review questions reinforce your understanding of key concepts, with answers located in the back of the book. Technician Notes provide useful hints and important reminders to help you avoid common errors and increase your efficiency on the job. NEW! Emergency Drugs chapter is added. UPDATED drug information keeps veterinary students current with the newest pharmacologic agents and their uses, adverse side effects, and dosage forms. NEW! Case studies at the end of every chapter provide students with real-world scenarios.

Small Animal Dental Procedures for Veterinary Technicians and Nurses, 2nd Edition brings together all aspects of canine, feline, and exotic animal dentistry for veterinary technicians and nurses. Offering complete coverage of all aspects of dental treatment for dogs, cats, and exotic pets, the book describes techniques for veterinary technicians providing dental care. The new edition includes brand new information on digital radiology, plus updates to current protocols and improved images throughout the book. The chapters contained within include in-depth coverage of all stages of small animal dental care, including:

- Anesthesia
- Radiology
- Dental cleaning
- Common diseases and

treatment • Equipment needs and maintenance • Exotic dentistry Small Animal Dental Procedures for Veterinary Technicians and Nurses includes access to a companion website that provides video clips, review questions, training exercises, forms, and editable glossaries. This book is an essential and invaluable resource for any veterinary technology student, veterinary technician or nurse regularly or occasionally engaged in small animal dental care.

See how to confidently care for small animal patients with Taylor's clear instructions, procedural videos, and new images. Featuring more than 60 techniques and procedures, Small Animal Clinical Techniques, 2nd Edition provides a highly visual, step-by-step guide to the diagnostic and therapeutic clinical techniques essential to small animal practice. Each procedure walks you through the purpose, indications, contraindications and concerns, complications, special anatomy, equipment, restraint, and procedure techniques. And interactive learning modules on the companion website help you master the skills you need to succeed on the job.

Learn to easily master the types of veterinary nursing calculations you will face on the job with Essential Calculations for Veterinary Nurses and Technicians, 3rd Edition. From basic arithmetic to dilutions and statistics, this useful text covers all aspects of calculations as applied to veterinary nursing. Readers will benefit from the text's common sense approach to clinical situations, and complete the book knowing how to use calculations to determine dosage rates, anesthetic flow rates, radiography exposure rates, parenteral nutrition, and more. User-friendly features include simple language, detailed explanations, ample examples, and special author guidance so that content is easy to follow and understand. Plus, the text's abundance of learning features — such as self-assessment questions, clinical hints, and tips — help clarify important concepts and ensure that you have mastered everything you need to make calculations in the day-to-day clinical environment. Self-test sections with clinical hints and tips ensure retention of core concepts. Mathematical explanations using veterinary terms presents all principles in a manner that directly pertains to the veterinary field. Comprehensive content covers everything from basic arithmetic to dilutions and statistics so users have everything needed to succeed in calculations for veterinary nursing and technology. Dimensional analysis bridge method removes the necessity of memorizing formulae and takes advantage of simplifying equations so that calculators are often unnecessary. NEW! Reviewed and updated drugs throughout the book provide dosage calculations that coincide with drugs currently used in the field for the most clinical relevance. NEW! Additional math problems housed on the Evolve companion website offer substantial additional practice.

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.

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.

Anatomy and Physiology for Veterinary Technicians and Nurses: A Clinical Approach is a comprehensive resource on the anatomy and physiology of dogs and cats, with comparisons to horses, birds, and ruminants. Organized by body system with a comparative approach, the book follows a unique format by addressing anatomy separately from physiology for clarity and improved comprehension. Each anatomy chapter has a corresponding physiology chapter, complete with illustrations, charts, and boxes to promote understanding. Written specifically for veterinary technicians and nurses, the book applies anatomy and physiology to clinical practice, with case examples demonstrating clinical relevance. The figures from the book, additional questions and answers, labeling quizzes, teaching PowerPoints, and a dissection video are available online at www.wiley.com/go/sturtz. This introduction to body system analysis of normal structure and function is a must-have resource for students of veterinary technology and nursing, as well as a useful quick review for the busy professional.

Written by vet techs for vet techs, this comprehensive review tool offers coverage of basic science, clinical science, diagnostics, applications,

and professional areas. It concisely presents a review of the curriculum, starting at the basics learned first and progressing to the advanced concepts learned at the end. A true review format, this book features tools such as chapter outlines, learning outcomes, a glossary, and multiple-choice questions to aid readers' comprehension of material. Concisely covers all areas of veterinary technology, including basic and clinical sciences, applications, patient management, nursing, nutrition, anesthesia and pharmacology, and professional practices and issues. Written in an easy-to-use outline format with numerous tables to summarize information. Includes coverage of large animals, birds, reptiles, lab animals, cats, and dogs. Features chapter outlines, glossaries, learning outcomes, and review questions for material review. Content is enhanced, reflecting the expanding responsibilities that today's veterinary technicians encounter in genetics, small animal nursing, veterinary dentistry, zoonoses, emergency first aid, avian and reptile medicine, equine and ruminant surgery, anesthesia, and breeding, reproduction, and neonatal care. Features more than 60 new illustrations, including a number of radiographs and cytology slides. Includes chapters on cytology and ethics. Presents a comprehensive review exam with nearly 300 questions. Offers an appendix of resources, including American, Canadian, and International associations, registration of technicians, and internet sites.

AAEVT's Equine Manual for Veterinary Technicians offers a compendium of information on the care and treatment of horses for equine veterinary technicians. Highly accessible and easy to use, the book builds on the basics of equine care to provide a complete reference for equine nursing and technical skills. AAEVT's Equine Manual for Veterinary Technicians is an invaluable guide for qualified equine veterinary technicians and assistants, particularly those earning their equine certification, vet tech students, and equine practices.

Veterinary Technician's Manual for Small Animal Emergency and Critical Care, Second Edition provides an in-depth and cutting-edge, yet easy-to-navigate, reference on emergency and critical care for veterinary paraprofessionals of all skill levels. Provides a comprehensive reference on emergency and critical care medicine for veterinary technicians of all skill levels, and veterinary assistants. Veterinary Technician's Manual for Small Animal Emergency and Critical Care, Second Edition provides an in-depth and cutting-edge, yet easy-to-navigate, reference on emergency and critical care for veterinary paraprofessionals of all skill levels. Written by leading veterinary technician specialists (VTS) in emergency and critical care Completely revised and substantially updated, with new emphases on anatomy, physiology, nursing skills, and evidence based medicine Features five new chapters covering mechanical ventilation, pain management, renal replacement therapy, nursing skills and procedures, and life as an emergency veterinary technician, including topics such as salary, compassion fatigue, and scheduling Includes access to a companion website with chapter review questions and the images from the book for download in PowerPoint

Covering the role of the veterinary technician in large-animal care, Large Animal Clinical Procedures for Veterinary Technicians, 2nd Edition provides a comprehensive guide to large-animal clinical diagnostic, medical, and surgical procedures. Not only does this book show why and how each procedure is performed, but it shows the vet tech's role in preparing for, assisting in, and following up on each one. Coverage of herd health care helps you understand the essentials of behavior and handling, safety, breeds, vaccination schedules, and common parasites. This edition adds case studies and clinical applications in each chapter, and a new section with an overview on livestock management. Written by educator and horse stable owner Kristin Holtgrew-Bohling, this book helps you pass your boards and gain certification, and can also be used as an on-the-job reference. A focus on the veterinary technician's role includes a description of each procedure in terms of the vet tech's responsibilities, explaining why and how the procedure is performed. Full-color photographs and line drawings show restraint, bandaging, physical examination techniques, and diagnostic procedures. A practical approach makes this text useful

in classes and in clinical situations, so veterinary technicians, acting under instructions of veterinarians, can plan and follow through on procedures and treatment regimens for large animals. Proper medical terminology and common/layperson terminology are both used, helping you communicate effectively with clients and with other professionals. AVMA accreditation is promoted through coverage of the essential large animal-related tasks in the CVTEA Manual of Accreditation for Veterinary Technology Programs. New section on the livestock industry provides a wider background of herd health care so you can better understand the practices, procedures, and decisions of large animal veterinary medicine. New section on llamas and alpacas helps you understand the health and maintenance of these increasingly popular domestic animals -- in the U.S., there are more than 12,000 alpaca herds and 25,000 llama owners. Emphasis on husbandry demonstrates how everyday housing and feeding affect care of common large animal diseases, including client education. Addition of case studies and clinical applications to each chapter helps you develop skills such as good history taking, decision making, and thinking on your feet. Coverage of herd health care includes behavior and handling, safety, breeds, vaccination schedules, and common parasites. Vet Tech Threads focus your learning with learning objectives, key terms, chapter outlines, and Technician Notes. Other added coverage includes photos of breeds and vaccination and parasite tables.

Oncology for Veterinary Technicians and Nurses is a handbook of cancer care from the technician perspective. Providing information on cancer from cause to treatment, this comprehensive resource focuses on the nursing role, emphasizing technical procedures, staging, and patient support. By equipping veterinary support staff with the information they need to properly and safely perform cancer treatments, Oncology for Veterinary Technicians and Nurses promotes working as part of a team to provide optimal care for dogs and cats with cancer. Packed with learning tools, Romich's ANESTHESIA, ANALGESIA, AND PAIN MANAGEMENT FOR VETERINARY TECHNICIANS explains the science of anesthesia and how that knowledge is applied to a clinical setting. Detailed photos and illustrations help you understand complex content. Critical thinking questions and case studies sharpen your critical thinking and multitasking skills. And national board exam style multiple choice questions help prepare you for certification exams. Pharmacology coverage details the hows and whys of a drug's action, while numerous examples demonstrate how to perform drug dose and fluid calculations. Delivering the missing pieces, this first edition equips you with a thorough understanding of how to perform responsible anesthesia. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This comprehensive textbook covers the ethical issues involved in using animals for research, food production, sports, and as companions. Although theoretical aspects of animal ethics are presented, the focus of the book is the application of ethics to real-life situations. A balanced presentation of animal rights and animal welfare viewpoints is provided. Review and discussion questions help students develop their critical-thinking skills. Case studies provide the opportunity to consider real-world ethical issues and how they can be resolved. ALSO AVAILABLE INSTRUCTOR SUPPLEMENTS CALL CUSTOMER SUPPORT TO ORDER Instructor's Manual, ISBN: 0-8273-8495-5

Accompanying CD-ROM contains ... "animations, including drug receptors, passive diffusion, and normal electrophysiology, and drug calculation exercises for oral solid and injectable medication administration."--Page 4 of cover.

This comprehensive guide to all aspects of caring for horses, cattle, camelids, small ruminants, and pigs helps veterinary technician students learn everything they need to know about large animal medicine. Presented in full-color, Large Animal

Medicine for Veterinary Technicians provides species-specific coverage with a wealth of images, as well as clinical applications. Coverage includes AVMA-required topics such as hospital biosecurity, restraint, physical examinations, nutrition, clinical and diagnostic procedures, reproduction, neonatology, and disease. To reinforce the text, an accompanying website offers review questions and answers, case studies, and an image bank with additional photographs to aid in breed identification. Veterinary technician students, veterinary technician educators, and veterinary technicians in practice who wish to foster and expand their knowledge of large animal medicine will find Large Animal Medicine for Veterinary Technicians an invaluable resource.

Fluid Therapy for Veterinary Technicians and Nurses provides veterinary support staff with essential information on administering fluid therapy. Encompassing catheter placement, monitoring of intravenous fluid therapy, long-term fluid therapy, intravenous nutrition, equipment, and potential complications, the book supports the reader in obtaining and maintaining intravenous access, monitoring patient responses, and reacting to changes in the patient's condition. With complete coverage of the principles and procedures, Fluid Therapy for Veterinary Technicians and Nurses offers both a solid grounding in the fundamentals and more advanced information for experienced technician. Designed for ease of use, each chapter begins with the basics, giving a thorough foundation of information, and then moves into more advanced information, with potential nursing concerns and complications highlighted within the text. A companion website offers images from the book in PowerPoint and review questions and answers for download at <http://www.wiley.com/go/donohoenuing>. Fluid Therapy for Veterinary Technicians and Nurses is a useful resource for experienced veterinary technicians and vet tech students alike.

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.

Applied Pharmacology for Veterinary Technicians Saunders

One of the first books on general pathology written specifically for veterinary nurses and those new to the subject. It builds on prior knowledge of anatomy, physiology and biochemistry to explain the pathological changes that occur in sick animals. The book provides an understanding of the effects of various disease processes, and relates these to clinical presentation, diagnosis and prognosis, and treatment rationales. Presented in an easy to read format, with many illustrations and summary boxes to aid comprehension. Each chapter has a useful "test yourself" section to test understanding.

Canine and Feline Behavior for Veterinary Technicians and Nurses provides the veterinary technician with a solid foundation in behavioral medicine. Designed as a daily resource for interacting with and educating pet owners, the book familiarizes readers with the behavioral, mental, and emotional needs of dogs and cats. Canine and Feline Behavior for Veterinary Technicians and Nurses

offers a complete guide to the technician's role in behavioral preventive services and how to assist the veterinarian with behavioral intervention. Covering the roles of animal behavior professionals, normal development of dogs and cats, and the human-animal bond, the book includes correlations from human mental health care throughout. The book encompasses learning theory, preventive behavioral services, standardized behavior modification terms and techniques, and veterinary behavior pharmacology. *Canine and Feline Behavior for Veterinary Technicians and Nurses* is an essential resource for veterinary technicians to realize their full potential and become a pivotal component of the behavioral healthcare team for canine and feline patients.

Written by a veterinary technician for veterinary technicians, students, and veterinary practice application, this concise, step-by-step text will help users consistently produce excellent radiographic images. It covers the physics of radiography, the origin of film artifacts, and positioning and restraint of small, large, avian, and exotic animals. It discusses everything from patient preparation, handling, and positioning to technical evaluation of the finished product. 500 illustrations and abundant charts and diagrams

- Explicit, clear patient positioning guidelines, including where to collimate, anatomical landmarks, drawings of the animal positioned, and the resulting radiograph
- A radiographic technique chart that shows how to troubleshoot radiographic quality
- Boxed outlines that provide a concise, ready reference regarding technique in the section on special radiographic procedures
- A guide to quality control (including tests)
- A special procedure guide, including how to use contrast media
- A chart on how to develop a technique guide

Chapter outlines, glossaries, and references

- Case studies that illustrate artifacts
- Key points and review questions follow every chapter
- A new chapter on digital veterinary radiography

Anesthesia for Veterinary Technicians is a highly practical guide to anesthesia skills for veterinary technicians published in association with the Academy of Veterinary Technician Anesthetists (AVTA). Packed with hints and tips to aid technicians in the practice of veterinary anesthesia, the book offers an essential resource to building anesthesia skills and improving knowledge. Encompassing both background knowledge and practical application of anesthesia-related skills, *Anesthesia for Veterinary Technicians* is a valuable resource for veterinary technicians of all skill levels. Supplementary website materials, including charts and forms for use in the practice, are available at www.wiley.com/go/bryant.

Cardiology for Veterinary Technicians and Nurses is a comprehensive resource for veterinary technicians and nurses working with cardiovascular patients in veterinary practice. Offers a complete reference to veterinary cardiology targeted at veterinary technicians and nurses, summarizing fundamental knowledge on cardiovascular disease

- Covers dogs, cats, horses, ruminants, and camelids
- Provides information ranging from introductory to advanced for a thorough guide to cardiac conditions
- Presents detailed procedures for common cardiac catheterization techniques, including supplies required
- Includes photographs and illustrations to depict the concepts described

Pain Management for Veterinary Technicians and Nurses guides readers through the important concepts of animal pain management, providing specific approaches to managing pain in a wide variety of veterinary conditions. Emphasizing the technician's role in advocating for the patient, the book equips technicians with the knowledge needed to manage pain in dogs, cats, horses, livestock, exotics, and zoo animals. Logically and comprehensively covering this difficult subject, *Pain Management for Veterinary Technicians and Nurses* provides both introductory material on the tenets of pain management and specific techniques to apply in the clinical setting. With information on recognizing and understanding pain, the physiology of pain, pharmacology, and analgesia in different settings, the book outlines how to practice good pain management as an integral part of nursing care. *Pain Management for Veterinary Technicians and Nurses* provides both

basic and advanced information, allowing students, practicing veterinary technicians and nurses, and veterinary staff alike to take a more active role in pain management and develop a more thorough understanding of this complex subject.

Revised and updated, the third edition of this innovative reference presents the fundamental principles of pharmacology, administration of drugs, and pharmacologic calculations. It addresses all major categories of drugs in a consistent format, including pharmacokinetics, pharmacodynamics, clinical uses, dosage forms, and adverse side effects. Illustrated, step-by-step procedures demonstrate the administration of common drug forms. The consistent format provides easy and quick access to information. Each chapter is introduced with learning objectives, a chapter outline, and key terms with simple definitions. Chapters are arranged to cover organ systems in a sequential manner, followed by chapters on antiinfectives, antiparasitics, antiinflammatory agents, and others. Content includes detailed summaries of important drug laws, such as the Animal Medicinal Drug Use Clarification Act (AMDUCA) and the Animal Drug Availability Act. Technician Notes throughout the text provide helpful hints and important points technicians should be aware of to avoid errors and increase efficiency. Drug descriptions use a consistent format - clinical uses, dosage forms, and adverse side effects - that allows easy access to desired information. Dosage calculations help readers administer drugs appropriately. Outstanding photographs, tables, and illustrations supplement the text and summarize complex information. Appendixes offer up-to-date references to emergency drugs, controlled substances, conversion tables, vaccinations, and other useful data. A new chapter has been added on the importance of inventory control for the veterinary technician. New sections are devoted to inhalation anesthetics, neuromuscular blocking drugs, inhalation therapy for respiratory disease, and parenteral nutrition. Expanded information is included on key drug laws - including a new list of drugs prohibited for extralabel use under the Animal Medicinal Use Clarification Act and a summary of the Minor Use and Minor Species Animal Health Act. Additional Technician's Notes provide assistance with important procedures. Additional review questions are offered in each chapter.

Romich's FUNDAMENTALS OF PHARMACOLOGY FOR VETERINARY TECHNICIANS, 3E demonstrates how the best veterinary technicians succeed on the frontlines of animal patient care through effective drug administration. Following a body-systems approach, chapters cover important drugs, their actions and potentially adverse effects, diseases, dosing, and delivery -- all with the goal of developing a deeper understanding of drugs used in veterinary care. To bring practice into the classroom, chapters also explore veterinary technician roles and duties, dosage calculations, legal requirements, pharmacy management, clinical tips and more. And the MindTap platform offers extra digital resources such as practice quizzes, games, drug updates for better success in the classroom and on the VTNE certification exam. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Clinical Pathology and Laboratory Techniques for Veterinary Technicians provides a comprehensive reference of laboratory procedures featuring 'how-to' information as it pertains to small animals, horses, and cattle. An inclusive reference on laboratory procedures pertaining to small animals, horses and cattle Provides information on hematology, hemostasis, clinical chemistry, urinalysis, parasitology, and fecal testing Features high-quality photographs labelled with magnification and stain information, which clearly depict cellular morphology, inclusions and infectious organisms Offers key objectives, technician tip boxes, case examples and a glossary of key terms A companion website provides images from the book for download, instructor questions and answer key to multiple choice questions in the book Written especially for veterinary technicians, this essential resource offers detailed guidance on key topics such as managing medication inventory, dispensing veterinarian-prescribed drugs, calculating drug dosages, administering medications to animals, and educating clients

bout drug side effects and precautions. Up-to-date drug information is presented in a consistent, user-friendly format that lets you quickly look up pharmacokinetics, pharmacodynamics, clinical uses, dosage forms, and adverse side effects. Illustrated, step-by-step procedures demonstrate proper administration techniques from common drug forms.

Learn to easily master the types of veterinary nursing calculations you will face on the job with *Essential Calculations for Veterinary Nurses and Technicians, 3rd Edition*. From basic arithmetic to dilutions and statistics, this useful text covers all aspects of calculations as applied to veterinary nursing. Readers will benefit from the text's common sense approach to clinical situations, and complete the book knowing how to use calculations to determine dosage rates, anesthetic flow rates, radiography exposure rates, parenteral nutrition, and more. User-friendly features include simple language, detailed explanations, ample examples, and special author guidance so that content is easy to follow and understand. Plus, the text's abundance of learning features - such as self-assessment questions, clinical hints, and tips - help clarify important concepts and ensure that you have mastered everything you need to make calculations in the day-to-day clinical environment. Self-test sections with clinical hints and tips ensure retention of core concepts. Mathematical explanations using veterinary terms presents all principles in a manner that directly pertains to the veterinary field. Comprehensive content covers everything from basic arithmetic to dilutions and statistics so users have everything needed to succeed in calculations for veterinary nursing and technology. Dimensional analysis bridge method removes the necessity of memorizing formulae and takes advantage of simplifying equations so that calculators are often unnecessary. NEW! Reviewed and updated drugs throughout the book provide dosage calculations that coincide with drugs currently used in the field for the most clinical relevance. NEW! Additional math problems housed on the Evolve companion website offer substantial additional practice.

Designed specifically for veterinary technicians, this essential resource offers detailed guidance on key topics such as managing medication inventory, dispensing veterinarian prescribed drugs, calculating drug dosages, administering medications to animals, and educating clients about drug side effects and precautions. Up-to-date drug information is presented in a consistent, easy-to-use format that includes pharmacokinetics, pharmacodynamics, clinical uses, dosage forms, and adverse side effects. Illustrated, step-by-step procedures demonstrate proper administration techniques for common drug forms. Like getting two books in one, this resource combines the comprehensiveness of a veterinary pharmacology text with coverage of pharmacologic fundamentals that are essential to veterinary technician practice. Learning Objectives at the beginning of each chapter help you focus your study efforts and check your progress as you work through the material. Chapter outlines provide at-a-glance overviews of the topics featured in each chapter, making it quick and easy to find information. Key Terms lists with definitions familiarize you with the terminology used in each chapter. Technician's Notes boxes throughout the book provide useful hints and important reminders to help you avoid common errors and increase your efficiency. Coverage of inventory control offers practical tips on performing this important task, including understanding the different vendor types, communicating with sales representatives, and using veterinary practice management computer software. Detailed summaries of important drug laws, such as the Animal Medicinal Drug Use Clarification Act and the Animal Drug Availability Act, introduce you to the legal and ethical aspects of veterinary pharmacology. A companion Evolve website offers 137 photographs of drug labels to familiarize you with the labels you will see in practice, six drug dosage calculators with related exercises to help you strengthen your drug calculation skills, and 12 videos that show you how to administer oral, inhaled, and injectable drugs. Proprietary drug names are listed along with generic names to help you learn to recognize drugs with generic options. Additional review questions in this edition help reinforce your understanding of key concepts. Answers

are located in the back of the book so you can check the accuracy of your responses. The chapter on Drugs Used in Skin Disorders offers expanded coverage of the anatomy and physiology of the skin, as well as information on the latest drugs used to treat skin disorders. Clinical Pathology for the Veterinary Team is a concise, reliable resource for technical team members performing clinical diagnostic evaluation. Focusing on sample handling, machinery calibration, normal physiology and anatomy, clinical diagnostics, and disease processes, the book helps technical team members to consistently achieve high-quality results in small animal lab work. An essential bench-side reference for in-house laboratories, the book includes a DVD with interactive cases to build skills in reading and interpreting digital slides. With chapters on blood counts, chemistry, urinalysis and electrolytes, advanced diagnostics, and cytology, Clinical Pathology for the Veterinary Team offers key technical information for consistently obtaining and evaluating samples. The book is a practical resource for anyone performing lab work, including veterinary technicians, technician and veterinary students, and veterinarians. Now in full color, Applied Pharmacology for Veterinary Technicians, 5th Edition shows you how to administer prescribed drugs to animals, calculate drug dosages accurately, and instruct clients about side effects and precautions. Coverage of drug information includes pharmacokinetics, pharmacodynamics, clinical uses, dosage forms, and adverse effects. An Evolve companion website enhances the book with narrated videos demonstrating drug administration techniques, animations of pharmacologic processes, dosage calculation exercises, and much more. Written by veterinary technology experts Boyce Wanamaker and Kathy Lockett Massey, this resource provides the pharmacology knowledge you need to succeed as a vet tech! Illustrated, step-by-step procedures demonstrate proper administration techniques for common drug forms. Body systems organization provides a logical sequence of study, followed by anti-infectives, antiparasitics, anti-inflammatory agents, and others. Dosage calculation exercises provide practice immediately after new information is presented. Proprietary drug names are listed with generic drug names, highlighting drugs with generic options. Review questions reinforce understanding of key concepts, with answers located in the back of the book. An Evolve companion website provides drug administration videos, drug calculators with accompanying word problems, photos of drug labels, animations of pharmacologic processes, and dosage calculation exercises. Key terms, chapter outlines, and learning objectives at the beginning of each chapter make studying easier. Technician Notes provide useful hints and important reminders to help you avoid common errors and increase your efficiency. UNIQUE Pharmacy Management and Inventory Control chapter offers practical tips relating to vendor types, communicating with sales representatives, and using veterinary practice management software. Now in full color, UPDATED drug information keeps you current with the latest pharmacologic agents and their uses, adverse side effects, and dosage forms. NEW coverage of stem cell treatment in Immunologic Drugs chapter addresses scientific advances in this area. UPDATED fluid therapy chapter explains the role of parenteral fluids, oral fluids, and nutritional products in drug therapy.

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