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The Developing Human: Clinically Oriented Embryology, 9e *Temple Grandin's Guide to Working with Farm Animals* **Canine Reproduction and Neonatology** **Shelter Medicine for Veterinarians and Staff** **Infectious Disease Management in Animal Shelters** **The Slaughter of Farmed Animals** *Safe Handling and Restraint of Animals* **Animal Handling and Physical Restraint** **Raising Beef Cattle For Dummies** *Veterinary Forensic Medicine and Forensic Sciences* **The Detroit Educational Bulletin** **The Laboratory Rabbit, Second Edition** **Handbook of Applied Dog Behavior and Training, Adaptation and Learning** **Fundamentals of Laboratory Animal Science** **Low Stress Handling, Restraint and Behavior Modification of Dogs and Cats** *Plumb's Veterinary Drug Handbook* **Evaluation and Control of Meat Quality in Pigs** **Neuroanatomy for Medical Students** *Ganong's Review of Medical Physiology, Twenty-Fifth Edition* **Manual of Clinical Behavioral Medicine for Dogs and Cats** **Doing what Matters Most** *Review of Medical Physiology* **BSAVA Manual of Canine and Feline Reproduction and Neonatology** **Theoretical Basis for Nursing** *Timelines of Nearly Everything* **Human Physiology** **Rheostasis** **Clinical Behavioral Medicine for Small Animals** *Vascular Surgery* **Handbook of Laboratory Animal Science, Volume I** **Atlas of Functional Neuroanatomy** **Animal Science Refresher** **Medical Physiology** **Introduction to Biomedical Engineering** **Textbook of Clinical Embryology, 2nd Updated Edition, ebook** **Système de politique positive** **Environmental Physiology and Psychology in Arid Conditions** *Yearbook of International Organizations 2014-2015* **ELF and VLF Electromagnetic Field Effects** **Handbook of Laboratory Animal Science, Volume III, Third Edition**

The veterinarian's reliable tool for helping clients resolve pet behavior problems! Written by well-known veterinary behavior specialist Dr. Karen Overall, this comprehensive resource explains the underlying causes of undesirable behaviors in dogs and cats and provides proven behavior modification techniques. A companion DVD offers five in-depth questionnaires to help you gather valuable information from clients, as well as 45 client instruction handouts and a 30-minute video demonstrating behavior modification techniques for clients to use with their pets. From digging and barking to biting and anxiety - and everything in between - *Manual of Clinical Behavioral Medicine for Dogs and Cats* has what you need to help clients manage their pets' behavior issues and live with them in harmony. World-renowned author Dr. Karen Overall is a leading veterinary behavior specialist and a founding member of the board of clinical specialists, a Diplomate of the American College of Veterinary Behavior, certified by the Animal Behavior Society as an Applied Animal Behaviorist, and one of *The Bark* magazine's 100 most influential people in the dog world. Companion DVD includes a 30-minute video of the author demonstrating techniques for correcting and preventing canine behavior problems, and provides handouts to assist the pet owner with behavioral modification techniques. Supplemental material includes 45 client handouts, 12 informed consent forms, and 5 questionnaires that help you zero in on the pet's behavior. Hundreds of images illustrate important techniques and key concepts. Tables and boxes summarize key assessment information, behavioral cues, and pharmacologic

management. The tools you need to raise and care for beef cattle Beef cattle farming is a business that continues to grow in the United States and around the world, and it will only grow larger as the demand for beef continues to increase. Raising Beef Cattle For Dummies provides you with an introduction to all aspects of raising beef cattle. Packed with expert tips from experienced farmers, it gives any level of cattle-raiser the tools needed to increase the quantity and quality of your farm's output and maintain a healthy herd. Raising Beef Cattle For Dummies is the go-to resource for aspiring cattle farmers. With important information on health, handling, and breeding, and detailed coverage of equipment and supplies, it is teeming with useful information that anyone interested in raising cattle should have. Advice on which beef cattle breeds to rear The prevention and treatment of common diseases Caring for pregnant heifers and calving procedures Dietary specifications dependent on breed Guidance on humane management Creating an open and safe pasture habitat If you're an aspiring cattle farmer looking to begin raising cattle or an established raiser interested in expanding your herd, Raising Beef Cattle For Dummies has you covered. Laboratory animal testing provides most of our current knowledge of human physiology, microbiology, immunology, pharmacology, and pathology. From studies of genetics in fruit flies to studies of cellular processes in genetically modified mice to recent dramatic developments in genetics, translational research, and personalized medicines, biomedical Under the direction of John Enderle, Susan Blanchard and Joe Bronzino, leaders in the field have contributed chapters on the most relevant subjects for biomedical engineering students. These chapters coincide with courses offered in all biomedical engineering programs so that it can be used at different levels for a variety of courses of this evolving field. Introduction to Biomedical Engineering, Second Edition provides a historical perspective of the major developments in the biomedical field. Also contained within are the fundamental principles underlying biomedical engineering design, analysis, and modeling procedures. The numerous examples, drill problems and exercises are used to reinforce concepts and develop problem-solving skills making this book an invaluable tool for all biomedical students and engineers. New to this edition: Computational Biology, Medical Imaging, Genomics and Bioinformatics. * 60% update from first edition to reflect the developing field of biomedical engineering * New chapters on Computational Biology, Medical Imaging, Genomics, and Bioinformatics * Companion site: <http://intro-bme-book.bme.uconn.edu/> * MATLAB and SIMULINK software used throughout to model and simulate dynamic systems * Numerous self-study homework problems and thorough cross-referencing for easy use Following the success of the first edition, this Manual has been completely updated and reorganized to be even more practical and user-friendly. It follows reproductive medicine from mating, through conception and birth, looking at problems such as infertility and dystocia along the way. Care of the neonate plus conditions that may affect new puppies and kittens are also included. New developments in drugs and in biotechnology are discussed. Full colour photographs and illustrations support the text, which has been prepared by international contributors. This work offers a comprehensive re-examination and elaboration of homeostasis, a guiding principle in physiology that has received surprisingly little critical evaluation. Among the key topics addressed are questions concerning the competing demands of different regulatory systems within the body and the problem of maintaining equilibrium in such circumstances. The author makes the important point that the body does not always seek constancy of its internal environment, nor does it always react in ways that prevent change. On the contrary, sometimes physiological mechanisms actively promote change. These changes in regulated levels--termed rheostasis--are seen as having an adaptive value beyond a simple failure of homeostasis. This book compares and categorizes examples of rheostasis for a variety of physiological variables, and presents what is known about conflicts between different regulatory systems and their role in promoting the occurrence of rheostasis. Among other topics covered are weight loss during hibernation, calcium storage and

reproduction, fever, and rates of fat deposition in adults. The work of an outstanding scholar, this integrative study represents a refreshing and essential new approach to one of the basic concepts in physiological science. A Seminar in the CEC Agricultural Research Programme, held in Dublin, Ireland, November 21-22, 1985. Sponsored by the Commission of the European Communities, Directorate-General for Agriculture, Division for the Coordination of Agricultural Research Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. The leading text on human physiology for more than four decades A Doody's Core Title for 2017! For more than four decades, Ganong's Review of Medical Physiology has been helping those in the medical field understand human and mammalian physiology. Applauded for its interesting and engagingly written style, Ganong's concisely covers every important topic without sacrificing depth or readability and delivers more detailed, high-yield information per page than any other similar text or review. Thoroughly updated to reflect the latest research and developments in important areas. Ganong's Review of Medical Physiology incorporates examples from clinical medicine to illustrate important physiologic concepts. More than 600 full-color illustrations Two types of review questions: end-of-chapter and board-style NEW! Increased number of clinical cases and flow charts Salient Features Inclusion of new features such as learning objectives, timing of key developmental events facilitate to focus on important facts Thorough revision of the chapters on cell division and gametogenesis, extraembryonic membranes, developments of face, nose and palate; cardiovascular system, urogenital system Present applications of embryology in clinical practice Inclusion of new diagrams and improvement in earlier diagrams for easy understanding and reproducibility Addition of an appendix on embryological structures and their derivatives help in quick recall Core competencies prescribed by the MCI are covered and competency codes are included in the text Online Features Complimentary access to online animations, chapter-wise image bank along with the complete e-book Dr. Sophia Yin, author of the Small Animal Veterinary Nerdbook, is a veterinarian, applied animal behaviorist, author, and speaker. Her passion for animals and their proper handling and restraint led her to spend hundreds of hours on this project - a new book and instructional DVD set focused on the most humane techniques that reduce stress for people and pets. The book and DVD feature:

- More than 1,600 photos that show practicing veterinarians and students how to handle dogs and cats correctly
- Explanations of what vets think they're doing right but may actually be doing wrong
- Three hours of video clips with voiceover narratives that show correct and incorrect handling procedures

By using this training tool, vets will:

- Be able to implement the most up-to-date handling techniques
- Learn how to restrain animals correctly through behavior modification that does not involve coercion, dominance, or other negative training methods
- Increase efficiency because patients will willingly comply with procedures
- Stop perpetuating behavior problems in patients
- Create a safer environment for themselves and their team with fewer bites, scratches, and back injuries
- Improve the bond between vet, pet, and client

Published by CattleDog Publishing, USA and distributed by Manson Publishing Ltd. This book provides both evidence-based scientific studies and practical guidance to enhance the welfare of cattle, pigs, sheep and poultry at slaughter. Temple Grandin and Michael Cockram have brought together a range of international experts to prepare chapters on philosophical and ethical views on the slaughter of farmed animals. These include welfare issues and their assessment, the condition of animals on arrival and their management during lairage, animal handling, methods of humane slaughter and assessment of unconsciousness. The book boldly tackles controversial issues around the compromises necessary when balancing animal welfare concerns with commercial realities, as well as religious slaughter. Chapters cover methods of stunning, pre-slaughter handling, equipment design, monitoring welfare with abattoir data and auditing methods. It is an important publication for those

involved in implementing improvements in the humane slaughter of farmed animals and is recommended for veterinarians, students, abattoir managers and government regulators. With laboratory animals, especially rabbits, playing such an important role in biomedical research, the humane care of these animals is an ongoing concern. The Laboratory Rabbit, Second Edition presents basic information and common procedures in detail to provide a quick reference for caretakers, technicians, and researchers in a laboratory setting. Now in full color, the second edition of this book illustrates management practices and technical procedures with numerous figures and tables. It includes updated tables on anesthetic agents, methods of euthanasia, recommended needle sizes, injection sites, approximate values for injection, and sedative and immobilization agents. Plastic comb-bound for convenient and frequent use, this guide also provides sources and suppliers of additional information on rabbits, feed, and sanitation supplies. 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 Twenty-five years of study and experience went into the making of this one-of-a-kind reference. Veterinarians, animal scientists, dog owners, trainers, consultants, and counsellors will find this book a benchmark reference and handbook concerning positive, humane management and control of dogs. Reflecting the author's extensive work with dogs, this book promises thorough explanations of topics, and proven behavioural strategies that have been designed, tested, and used by the author. More than 50 figures and tables illustrate this unique and significant contribution to dog behaviour, training, and learning. Laboratory animals are becoming increasingly important for biomedical research. It is said that approximately 70% of biomedical research is associated with the use of experimental animals. Laboratory animal research not only expands our knowledge of science, but also greatly improves human and animal health. The field of laboratory animal science is ever-growing and changing as new experimental techniques are developed and new animal models are created. It is essential to know not only the biological features of each laboratory animal but also how to use and care for them responsibly in order to perform high-quality experiments. Courses in beginning Laboratory Animal Science are starting to be offered in many universities throughout the world. However, a practical introductory textbook that contains state-of-the-art techniques is still lacking. Fundamentals of Laboratory Animal Science provides comprehensive information on the principles and practices of using laboratory animals for biomedical research. Each individual chapter focuses on a key sub-discipline of laboratory animal science: animal welfare and best humane care practices in the laboratory; the quality control of laboratory animals; the anatomy, physiology, and husbandry of commonly used species; the principles of creating and using animal models for studying human diseases; practical techniques used for laboratory animal experiments; experimental design; and animal experimentation management. Knowledge of this broad spectrum of concepts and skills will ensure research goes smoothly while greatly reducing animal pain and distress. Well-illustrated and thoroughly referenced, this book will serve not only as a standard textbook but also as a handy guide for veterinarians, researchers, animal care staff, administrators, and other professionals who are involved in laboratory animal science. This report gauges progress toward achieving high quality teaching in every classroom, using data about teaching conditions that are new since publication of an earlier report by the National Commission on Teaching and America's Future. Section 1, "Doing What Matters Most: Investing in Quality Teaching," describes the Commission's original findings and recommendations following two years of study. Findings indicate that most schools

and teachers cannot achieve new educational goals because they do not know how and do not receive support to do so. Recommendations include linking teacher standards to student standards, reinventing teacher preparation and professional development, overhauling teacher recruitment, putting qualified teachers in every classroom, and organizing schools for success for all. Section 2, "America's Agenda for Education," discusses new standards and new students in America's schools, examining why and how teaching matters. Section 3, "Lessons from Last Decade's Reforms," discusses major initiatives in North Carolina, Connecticut, and other states for improving teaching quality. Section 4, "The Current Status of Teaching," discusses teacher recruitment and teacher supply and demand; salaries and working conditions; retention; qualifications and training; reform of teacher education and induction; access to professional development; and progress in school reform. Section 5, "Evidence of Progress," describes federal, state, and local initiatives to improve quality. Six appendixes offer state report cards on teacher quality; state-by-state data tables; National Council for the Accreditation of Teacher Education, Interstate New Teacher Assessment and Support Consortium, and National Board standards; Commission staff, advisors, and consultants; partner state contact persons; and national organization partners and contact persons. (SM) Volume 3 allows readers to locate organizations by subjects or by fields of activity and specialization, and includes an index to Volumes 1 through 3.

Infectious Disease Management in Animal Shelters is a comprehensive guide to preventing, managing, and treating disease outbreaks in shelters. Emphasizing strategies for the prevention of illness and mitigation of disease, this book provides detailed, practical information regarding fundamental principles of disease control and specific management of important diseases affecting dogs and cats in group living environments. Taking an in-depth, population health approach, the text presents information to aid in the fight against the most significant and costly health issues in shelter care facilities. Provides all you need to know about the safe and humane handling and restraint of animals. **Safe Handling and Restraint of Animals** takes a holistic approach to the handling of a wide variety of animal species. This comprehensive resource offers a thorough overview of how to safely handle and restrain a number of commonly encountered species including dogs, cats, small mammals, exotic pets, horses and farm animals. Each chapter discusses the behaviour of the species and then outlines the appropriate handling and restraint methods, including any equipment required, multiple explanatory photographs, and useful further reading. Covers a wide range of species commonly encountered by veterinary staff and those working within animal industries. Includes key points and self-assessment questions at the end of each chapter, and a glossary of terms. Ideal for students of any animal-related degree or diploma programme, including veterinary medicine, veterinary nursing, and animal studies and husbandry. Written for students and professionals who work with animals, **Safe Handling and Restraint of Animals: A Comprehensive Guide** encompasses all aspects of handling and physical restraint, including biosecurity and welfare issues.

UNIQUE FEATURES OF THE BOOK: Previous year question papers of ICAR-JRF 2016, 2015 & 2014 (memory based) along with explanations are included. MCQs and match the column type of questions according to the pattern of ICAR-JRF exam are included. Whole subject matter is simplified using tables, flowcharts and bullet format. One special topic "General awareness in the field of animal science" is also included. Important points are highlighted in bold letter. Numerical questions of animal genetics and breeding are included along with their solutions. This book covers entire syllabus of ICAR-PG entrance examination in a concise way.

Neuroanatomy for Medical Students, Second Edition provides a fundamental knowledge base that is essential to a proper understanding of the clinical neurosciences. This edition includes additional topics on neurophysiology, neuropharmacology, and applied anatomy. The areas on cell membrane structure and function, motor control, muscle spindles, spinocerebellar tracts, reticular formation, striatal transmitters, and retinal

neurons are updated. This book also expands the topics on pineal gland, pituitary tumors, split brain effect, visual cortex, neural plasticity, and barrel fields. The topography of ventricles and summary table of cranial nerve are likewise revised. Other materials covered include nerve growth factor, neural transplantation, dorsal column transection, cerebellar memory, and perivascular spaces. The neurotransmitters and neuromodulators, nuclear magnetic resonance, and positron emission tomography are also discussed. This publication is a good reference for medical students intending to acquire knowledge of basic neurobiology. *Shelter Medicine for Veterinarians and Staff, Second Edition* is the premier reference on shelter medicine. Divided into sections on management, species-specific animal husbandry, infectious disease, animal cruelty, shelter programs, behavior, and spay/neuter, the new edition has been reformatted in a more user-friendly design with briefer chapters and information cross-referenced between chapters. Maintaining a herd health approach, new and expanded chapters address issues of husbandry, infectious disease management, behavior forensics, population management, forensic toxicology, animal cruelty and hoarding, enrichment in shelters, spay/neuter, and shelter design. Now in full color, this fully updated new edition delivers a vast array of knowledge necessary to provide appropriate and humane care for shelter animals. Veterinarians, veterinary technicians and shelter professionals will find this to be the go-to resource on the unique aspects of shelter medicine that help facilitate operating a modern, efficient, and humane shelter. Vols. 2-7 contain also Special bulletins pub. during the same period. *The Developing Human: Clinically Oriented Embryology*, by Drs. Keith L. Moore, T.V.N. Persaud, and Mark G. Torchia, delivers the world's most complete, visually rich, and clinically oriented coverage of this complex subject. Written by some of the world's most famous anatomists, it presents week-by-week and stage-by-stage views of how fetal organs and systems develop, why and when birth defects occur, and what roles the placenta and fetal membranes play in development. You can also access the complete contents online at www.studentconsult.com, along with 17 remarkable animations, downloadable illustrations, additional review questions and answers, and more. Access the full contents of the book online at www.studentconsult.com - as well as 17 remarkable animations that bring normal and abnormal embryological development to life, and hundreds of additional review questions and answers to test your mastery of the material. Acquire a detailed grasp of human embryology with the world's most comprehensive, richly illustrated, and clinically oriented coverage from a cadre of leading world authorities. Effectively prepare for exams with review questions and answers at the end of each chapter. Recent emphasis upon the importance of the physical environment has made science and the public even more cognizant of the many components of the biosphere. While much attention has been given to ionizing electromagnetic stimuli which causes blatant and unalterable changes in biological systems, relatively little research has been concerned with those electromagnetic signals whose frequencies overlap with time-varying processes in living organisms. Extremely low frequency (ELF) electromagnetic fields can occur as waves between about 1 Hz to 100 Hz or as short pulses within this range of very low frequency (VLF) and higher frequency sources. The natural occurrence of ELF signals is associated with weather changes, solar disturbances and geophysical ionospheric perturbations. Man-made sources have also been reported. Certain physical properties of ELF signals make them excellent candidates for biologically important stimuli. Unlike many other weather components, ELF signals have the capacity to penetrate structures which house living organisms. ELF wave configurations allow long distance propagational capacities without appreciable attenuation of intensity, thus making them antecedent stimuli to approaching weather changes. Most importantly, ELF signals exhibit the frequencies and wave forms of bio-electrical events that occur within the brain and body. Thus resonance interactions between animal and nature become attractive possibilities. This review presents anatomic considerations, physiology and clinical examples. Ganong begins with an

introduction to the cellular basis of medical physiology, and cell physiology is interwoven into the text where applicable. Key features: Stresses safety in handling, restraint, and containment of animals Covers handling and restraint of all domestic and common tamed animals and provides information on normal animal behavior and welfare Discusses how to recognize signs in animals of poor handling and containment Reviews zoonotic disease risks to animal handlers, particularly from normal-appearing animals, and how to avoid transmission of disease Features over 200 informative line drawings for clarity and simplicity of illustration Explains how to tie useful knots and hitches and when to use them for restraint Includes basic ethical considerations and legal liabilities of animal handling and containment Presents steps to prevent animal escapes, barn fires, and problems with transport Authored by an experienced veterinary educator in clinical medicine for veterinarians, veterinary students, pre-veterinary students, veterinary technicians and technologists, animal scientists, and animal owners Proper handling and restraint are essential to the welfare of captive animals, allowing them to be examined, groomed and treated in ways that contribute to their optimum quantity and quality of life. The aim of the book is to prepare future or current veterinarians and veterinary technologists, technicians/nurses, and assistants to be able to handle animals more safely and gain the confidence of animals and their owners. In turn, they will be able to instruct owners in proper animal handling methods, reducing the risk of physical injury or mutual infectious diseases. Throughout the book, the author emphasises that each animal is an individual and each handling environment provides its own advantages and disadvantages: handling an animal safely, humanely and efficiently requires practical knowledge of the species' normal behaviour. This is explored in detail in each of the species-based chapters, which cover proper handling of domestic household and laboratory animals, as well as farm and ranch animals where safe handling aids the producer in both humane practice and greater profitability. After reading this book, the practitioner or student will be versed in the most basic part of the art of veterinary medicine: the safe handling of animals. Presenting a clear visual guide to understanding the human central nervous system, this second edition includes numerous four-color illustrations, photographs, diagrams, radiographs, and histological material throughout the text. Organized and easy to follow, the book presents an overview of the CNS, sensory, and motor systems and the limbic system Medical Physiology is a new, full-color, comprehensive textbook designed for modern medical school courses in human physiology. The most up-to-date and beautifully illustrated text on the market, it has a strong molecular and cellular approach, firmly relating the molecular and cellular biological underpinnings of physiology to the study of human physiology and disease. Contributions from leading physiologists ensure authoritative, cutting-edge information, and thorough and consistent editing have produced a readable and student-friendly text. The most current, accurate, and readable text of human physiology available, written by experts in the field. Carefully edited to ensure consistency of style throughout. Superbly illustrated with more than 800 high-quality, full-color line drawings. Features dialogue balloons in most illustrations that tell the story, serving as a useful review tool for students. Includes both technical and clinical boxes to summarize important experimental and clinical material. Non Aboriginal material. Concise, contemporary, and accessible to students with little-to-no prior knowledge of nursing theory, Theoretical Basis for Nursing, 6th Edition, clarifies the application of theory and helps students become more confident, well-rounded nurses. With balanced coverage of grand, middle range, and shared theories, this acclaimed, AJN Award-winning text is extensively researched and easy to read, providing an engaging, approachable guide to developing, analyzing, and evaluating theory in students' nursing careers. Updated content reflects the latest perspectives on clinical judgment, evidence-based practice, and situation-specific theories, accompanied by engaging resources that give students the confidence to apply concepts to their own practice. This practical guide is devoted to vascular diseases as dealt with by vascular surgeons. It is

written with the collaboration of other specialists attending to vascular diseases. The book provides a concise overview of the current level and standards of care of vascular diseases in the European Union, and fills the need of vascular specialists who prepare for the U.E.M.S. exam. The text is well-structured and contains practical guidelines. The readership that will benefit most will be trainees and practitioners in vascular surgery, angiology and also practicing physicians. However, the book will also be valuable to physicians of other specialties. Here's authoritative scientifically based guidance on preventing, diagnosing, and successfully treating behavior cases. Every kind of problem from aggressive behavior to self-mutilation, is discussed. * A practical guide to preventing, diagnosing, and treating small animal behavior cases. * Covers every class of problem--from the most common to those rarely seen. * Emphasizes evaluation and step-by-step diagnosis of normal versus abnormal behavior. * Provides easy-to-use client instruction protocols you can photocopy. * Focuses on ways to deal with animal behavior so the incidence of euthanasia can be reduced. * Covers legal obligations and problems resulting from pet's behavior. Award-winning author Temple Grandin is famous for her groundbreaking approach to decoding animal behavior. Now she extends her expert guidance to small-scale farming operations. Grandin's fascinating explanations of how herd animals think — describing their senses, fears, instincts, and memories — and how to analyze their behavior, will help you handle your livestock more safely and effectively. You'll learn to become a skilled observer of animal movement and behavior, and detailed illustrations will help you set up simple and efficient facilities for managing a small herd of 3 to 25 cattle or pigs, or 5 to 100 goats or sheep. This book takes readers back and forth through time and makes the past accessible to all families, students and the general reader and is an unprecedented collection of a list of events in chronological order and a wealth of informative knowledge about the rise and fall of empires, major scientific breakthroughs, groundbreaking inventions, and monumental moments about everything that has ever happened. Winner of Dog Writers Association of America's Dogwise Best Book Award

Canine Reproduction is a practical guide for veterinarians and an information source for breeders, kennel operators and others with a financial or humane interest in the breeding and maintenance of dogs. The book focuses on the veterinarian's responsibilities for managing the prob While replacing and reducing the use of laboratory animals are integral parts of the 3Rs—replace, reduce, refine—which form the cornerstones of laboratory animal science, biomedical research involving animals remains absolutely essential for the advancement of the medical, veterinary, agricultural, and biological sciences. Building upon the bestselling previous edition, the Handbook of Laboratory Animal Science, Volume III, Third Edition: Animal Models complements volumes I and II of the third edition by completing the task of providing a comprehensive overview of animal models in all biomedical disciplines. The three Rs have been integrated throughout this handbook to promote efficient and humane experimental work with animals. Written by international experts, each chapter focuses on an important subdiscipline of laboratory animal science and can be used as a stand-alone text. This volume contains new chapters for six additional disease animal models: spinal cord injury, cardiovascular diseases, sudden infant death syndrome, developmental disorders, eye diseases, and human cancer. It also presents a new chapter on applying reduction and refinement to animal models. This handbook can be used for undergraduate and postgraduate laboratory animal science courses, and as a handbook for scientists who work with animals in their research, for university veterinarians, for regulators, and for other specialists in laboratory animal science. While there are several recent books on this emerging field, Veterinary Forensic Medicine and Forensic Sciences sets the bar, covering all relevant aspects in a succinct, easy-to-read, comprehensive format designed to be taught in a single-semester course. Intended to be the premier textbook on veterinary forensic sciences, the book covers the application of veterinary forensic medicine to cases, including the medical perspective as well as law enforcement

response, crime scene management, and evidence recovery issues. Coverage includes the scientific and legal principles for veterinary forensic evidence. This clearly delineates it from veterinary-only practices, since the forensic aspects present additional challenges that include evidence recovery and preservation, report writing, and maintaining an evidentiary chain of custody, all the way through expert witness testimony. Some emerging topics that are covered include DNA and genetic evidence, entomological evidence in support of veterinary forensics, animal fighting, situational deaths, including poisonings, domestic violence, and cruelty, sharp and blunt force trauma, gunshot and wound ballistics, sexual assault, nonhuman odontology and osteology, and more. Features Details a process for forensic science case management for humane law enforcement agencies Presents multiple chapters on specific types of trauma analysis in animals Provides developments on current trends in forensic entomology as applied to wildlife crime and minimum postmortem interval determinations Explores national and international considerations in combating organized animal fighting Offers DNA applications for wildlife crime and environmental monitoring Outlines current animal and environmental forensic toxicology legal casework This text offers a straightforward presentation of current practices and includes several real-world case examples throughout to illustrate concepts. Fully illustrated with more than 280 full-color images, Veterinary Forensic Medicine and Forensic Sciences provides the latest in advances and up-to-date field techniques, applicable for student instruction in the classroom and beyond.

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