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## Control of Raccoon Rabies Using Merial's RABORAL V-RG Vaccine Canadian Immunization Guide

*The seventh edition of the Canadian Immunization Guide was developed by the National Advisory Committee on Immunization (NACI), with the support of the Immunization and Respiratory Infections Division, Public Health Agency of Canada, to provide updated information and recommendations on the use of vaccines in Canada. The Public Health Agency of Canada conducted a survey in 2004, which confirmed that the Canadian Immunization Guide is a very useful and reliable resource of information on immunization.*

## California Compendium of Rabies Control and Prevention Vaccines

*Elsevier Health Sciences Completely revised and updated, this respected reference offers comprehensive and current coverage of every aspect of vaccination-from development to use in reducing disease. It provides authoritative information on vaccine production, available preparations, efficacy, and safety...recommendations for vaccine use, with rationales...data on the impact of vaccination programs on morbidity and mortality...and more. And now, as an Expert Consult title, it includes a companion web site offering this unparalleled guidance where and when you need it most! Provides a complete understanding of each disease, including clinical characteristics, microbiology, pathogenesis, diagnosis, and treatment, as well as an epidemiology and public health issues. Offers comprehensive coverage of both existing vaccines and vaccines currently in the research and development stage. Examines vaccine stability, immunogenicity, efficacy, duration of immunity, adverse events, indications, contraindications, precautions, administration with other vaccines, and disease control strategies. Analyses the cost-benefit and cost-effectiveness of vaccines. Discusses the proper use of immune globulins and antitoxins. Illustrates concepts and objective data with approximately 600 tables and figures. Includes access to a companion web site offering the complete contents of the book - fully searchable - for rapid consultation from anyplace with an Internet connection.*

## Rabies Symptoms, Diagnosis, Prophylaxis and Treatment

*MDPI This book is a printed edition of the Special Issue "Rabies Symptoms, Diagnosis, Prophylaxis and Treatment" that was published in TropicalMed*

## WHO Expert Consultation on Rabies

### Third Report

*World Health Organization Since the 2015 launch of the Global framework to eliminate human rabies transmitted by dogs by 2030, WHO has worked with the Food and Agriculture Organization of the United Nations, the World Organization for Animal Health, the Global Alliance for Rabies Control and other stakeholders and partners to prepare a global strategic plan. This includes a country-centric approach to support, empower and catalyze national entities to control and eliminate rabies. In this context, WHO convened its network of collaborating centers on rabies, specialized institutions, members of the WHO Expert Advisory Panel on Rabies, rabies experts and partners to review strategic and technical guidance on rabies to support implementation of country and regional programs. This report provides updated guidance based on evidence and programmatic experience on the multiple facets of rabies prevention, control and elimination. Key updates include: (i) surveillance strategies, including cross-sectoral linking of systems and suitable diagnostics; (ii) the latest recommendations on human and animal immunization; (iii) palliative care in low resource settings; (iv) risk assessment to guide management of bite victims; and (v) a proposed process for validation and verification of countries reaching zero human deaths from rabies. The meeting supported the recommendations endorsed by the WHO Strategic Advisory Group of Experts on Immunization in October 2017 to improve access to affordable rabies biologicals, especially for underserved populations, and increase programmatic feasibility in line with the objectives of universal health coverage. The collaborative mechanisms required to prevent rabies are a model for collaboration on One Health at every level and among multiple stakeholders and are a recipe for success.*

## Ferrets, Rabbits and Rodents - E-Book

### Clinical Medicine and Surgery

*Elsevier Health Sciences A concise guide to the care of small mammals, Ferrets, Rabbits, and Rodents: Clinical Medicine and Surgery covers the conditions seen most often in veterinary practice. The book emphasizes preventive medicine along with topics including disease management, ophthalmology, dentistry, and zoonosis. More than 400 illustrations demonstrate key concepts related to radiographic interpretation, relevant anatomy, and diagnostic, surgical, and therapeutic techniques. Now in full color, this edition adds coverage of more surgical procedures and expands coverage of zoonotic disease. From editors Katherine Quesenberry and James W. Carpenter, along with a team of expert contributors, the "Pink Book" provides an authoritative, single source of information that is hard to find elsewhere. A logical organization makes it quick and easy to find important information, with each section devoted to a single animal and chapters within each section organized by body system. Over 400 photographs and illustrations highlight key concepts such as radiographic interpretation and the main points of diagnostic, surgical, and therapeutic techniques. A chapter on ophthalmology provides hard-to-find information on eye care for ferrets, rabbits, rodents, and other small mammals. Coverage of preventive medicine includes basic biology, husbandry, and routine care of the healthy animal. The drug formulary supplies dosage instructions for ferrets, rabbits, guinea pigs, chinchillas, hamsters, rats/mice, prairie dogs, hedgehogs, and sugar gliders. Chapter outlines offer at-a-glance overviews of the contents of each chapter. Handy tables and charts make it easy to find key information. Expanded Zoonotic Diseases chapter adds more depth along with the latest information on the rising potential for disease transmission to humans as exotic pets become more popular. Additional surgical procedures for each species are included, some with step-by-step instructions accompanied by color photographs and line drawings. Full-color images show the sometimes minute structures of these small animals and make accurate diagnoses easier, especially for lymphoproliferative diseases of rabbits, endoscopy, cytology, and hematology.*

## Morbidity and Mortality Weekly Report

### MMWR. Recommendations and reports

## Rabies Control in Asia

*John Libbey Eurotext*

## Merck Veterinary Manual

*Merck & Company 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.*

## WHO Expert Consultation on Rabies

## Second Report

World Health Organization "Although there is debate about the estimated health burden of rabies, the estimates of direct mortality and the DALYs due to rabies are among the highest of the neglected tropical diseases. Poor surveillance, underreporting in many developing countries, frequent misdiagnosis of rabies, and an absence of coordination among all the sectors involved are likely to lead to underestimation of the scale of the disease. It is clear, however, that rabies disproportionately affects poor rural communities, and particularly children. Most of the expenditure for post-exposure prophylaxis is borne by those who can least afford it. As a result of growing dog and human populations, the burden of human deaths from rabies and the economic costs will continue to escalate in the absence of concerted efforts and investment for control. Since the first WHO Expert Consultation on Rabies in 2004, WHO and its network of collaborating centres on rabies, specialized national institutions, members of the WHO Expert Advisory Panel on Rabies and partners such as the Gates Foundation, the Global Alliance for Rabies Control and the Partnership for Rabies Prevention, have been advocating the feasibility of rabies elimination regionally and globally and promoting research into sustainable cost-effective strategies. Those joint efforts have begun to break the cycle of rabies neglect, and rabies is becoming recognized as a priority for investment. This Consultation concluded that human dog-transmitted rabies is readily amenable to control, regional elimination in the medium term and even global elimination in the long term. A resolution on major neglected tropical diseases, including rabies, prepared for submission to the World Health Assembly in May 2013 aims at securing Member States' commitment to the control, elimination or eradication of these diseases. Endorsement of the resolution would open the door for exciting advances in rabies prevention and control."--Publisher's description.

## Rabies

### Scientific Basis of the Disease and Its Management

Academic Press Rabies is the most current and comprehensive account of one of the oldest diseases known that remains a significant public health threat despite the efforts of many who have endeavored to control it in wildlife and domestic animals. During the past five years since publication of the first edition there have been new developments in many areas on the rabies landscape. This edition takes on a more global perspective with many new authors offering fresh outlooks on each topic. Clinical features of rabies in humans and animals are discussed as well as basic science aspects, molecular biology, pathology, and pathogenesis of this disease. Current methods used in defining geographic origins and animal species infected in wildlife are presented, along with diagnostic methods for identifying the strain of virus based on its genomic sequence and antigenic structure. This multidisciplinary account is essential for clinicians as well as public health advisors, epidemiologists, wildlife biologists, and research scientists wanting to know more about the virus and the disease it causes. \* Offers a unique global perspective on rabies where dog rabies is responsible for killing more people than yellow fever, dengue fever, or Japanese encephalitis \* More than 7 million people are potentially exposed to the virus annually and about 50,000 people, half of them children, die of rabies each year \* New edition includes greatly expanded coverage of bat rabies which is now the most prominent source of human rabies in the New World and Western Europe, where dog rabies has been controlled \* Recent successes of controlling wildlife rabies with an emphasis on prevention is discussed \* Approximately 40% updated material incorporates recent knowledge on new approaches to therapy of human rabies as well as issues involving organ and tissue transplantation \* Includes an increase in illustrations to more accurately represent this disease's unique horror

### Cheetahs: Biology and Conservation

### Biodiversity of the World: Conservation from Genes to Landscapes

Academic Press Cheetahs: Biology and Conservation reports on the science and conservation of the cheetah. This volume demonstrates the interdisciplinary nature of research and conservation efforts to study and protect the cheetah. The book begins with chapters on the evolution, genetics, physiology, ecology and behavior of the species, as well as distribution reports from range countries. These introductory chapters lead into discussions of the challenges facing cheetah survival, including habitat loss, declining prey base, human-wildlife conflict, illegal trade, and newly-emerging threats, notably climate change. This book also focuses on conservation strategies and solutions, including environmental education and alternative livelihoods. Chapters on the role of captive cheetahs to conservation and the long-term research of the species are included, as are a brief discussion of the methods and analyses used to study the cheetah. The book concludes with the conservation status and future outlook of the species. Cheetahs: Biology and Conservation is a valuable resource for the regional and global communities of cheetah conservationists, researchers, and academics. Although cheetah focussed the book provides information relevant to the study of broader topics such as wildlife conservation, captive breeding, habitat management, conservation biology and animal behaviour. Cover photograph by Angela Scott Includes chapters by the world's leading cheetah researchers and practitioners, who have focused their efforts on this high-profile species of conservation concern Provides findings as a combination of scientific detail and basic explanations so that they can be available not only to cheetah researchers and conservationists, but also to policy makers, business leaders, zoo managers, academics, students, and people interested in the cheetah and its future Presents the current knowledge of the species, helping lay the foundations and best practices for cheetah conservation and research worldwide Additional protocols and forms (which were provided by authors) can be found at the Cheetahs: Biology and Conservation companion site: <https://www.elsevier.com/books-and-journals/book-companion/9780128040881>

## WHO Expert Consultation on Rabies

### First Report

World Health Organization More than 99% of all human rabies deaths occur in the developing world and although effective and economical control measures are available the disease has not been brought under control throughout most of the affected countries. Given that a major factor in the low level of commitment to rabies control is a lack of accurate data on the true public health impact of the disease this report of a WHO Expert Consultation begins by providing new data on the estimated burden of the disease and its distribution in the world. It also reviews recent progress in the classification of rabies viruses rabies pathogenesis and diagnosis rabies pre- and post-exposure prophylaxis the management of rabies patients and canine as well as wildlife rabies prevention and control.

### Taking the Bite out of Rabies

### The Evolution of Rabies Management in Canada

University of Toronto Press Taking the Bite out of Rabies records the evolution of rabies management and control in Canada.

## Vaccine Design

### Methods and Protocols, Volume 2: Vaccines for Veterinary Diseases

Humana Press This text provides a practical guide providing step-by-step protocol to design and develop vaccines. Chapters detail protocols for developing novel vaccines against infectious bacteria, viruses, fungi, and parasites for humans and animals. Volume 2: Vaccines for Veterinary Diseases includes vaccines for farm animals and fishes, vaccine vectors and production, vaccine delivery systems, vaccine bioinformatics, vaccine regulation and intellectual property. Written for the Methods in Molecular Biology series, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, Vaccine Design: Methods and Protocols, Volume 2: Vaccines for Veterinary Diseases aims to ensure successful results in the further study of this vital field.

## Black's Student Veterinary Dictionary

Bloomsbury Publishing A paperback edition for the student market, this standard work of reference has been a bestseller for over 70 years. It is an essential tool for anyone with a professional or leisure interest in the care of animals. Much more than a list of veterinary terms, its practical approach ensures that readers gain an insight into the signs and symptoms of common, and less common, diseases, as well as their diagnosis and treatment. For this edition much new and updated information has been included, reflecting the numerous developments that have taken place in animal care and husbandry, and welfare. There is greatly expanded coverage of topics relating to popular breeds of dog and cat, and the inheritable conditions that might affect their health. Advances in medicine, surgery and diagnostic techniques; descriptions of newly identified diseases such as Schmallenberg virus; the resurgence of old scourges such as TB in cattle, and ongoing enzootic infections such as bird flu are also included in this edition. The growing risk of exotic diseases such as heartworm being imported following the relaxation of travel arrangements for dogs and cats is reflected in new entries. Notes on many new species being farmed or kept as companion animals are among the thousands of topics covered.

## Black's Veterinary Dictionary

Bloomsbury Publishing Black's Veterinary Dictionary has been a bestseller for over 80 years. It is an essential reference tool for all with a professional or leisure interest in the care of animals. Much more than a list of veterinary terms, its practical approach ensures that readers gain an insight into the signs and symptoms of common, and less common, diseases, their diagnosis and treatment. For the 22nd edition much new and updated information has been included, reflecting the numerous developments that have taken place in animal care and husbandry, and welfare. There is greatly expanded coverage of topics relating to popular breeds of dog and cat, and the inheritable conditions that might affect their health. Advances in medicine, surgery and diagnostic techniques; descriptions of newly identified diseases such as Schmallenberg virus; the resurgence of old scourges such as TB in cattle, and ongoing enzootic infections such as bird flu are included in this new edition. The growing risk of exotic diseases such as heartworm being imported following the relaxation of travel arrangements for dogs and cats is reflected in new entries. Notes on many new species being farmed or kept as

companion animals are among the thousands of topics covered. Whether your interest is in cats or cattle, horses or hamsters, puppies or pigeons, the A-Z of veterinary matters is covered in Black's Veterinary Dictionary.

## Emergence and Control of Zoonotic Viral Encephalitides

Springer Science & Business Media In this period of obvious natural emergence of viral and other diseases, it is unclear as to what diseases are emerging, why they are emerging, and what, if anything, can be done to prevent or diminish their impact. This book, a compendium of presentations made at an international meeting of experts, provides summaries of areas of concern and details as to how disease agents such as Nipah and Hendra viruses in Australasia and West Nile virus in the Americas might have suddenly appeared. Either by alterations in natural habitats and diversity or by chance, pathogens emerge from time to time. This book addresses various aspects of such emergences, such as pathogenetic mechanisms of viruses, diagnosis of viral infections, viral host-management strategies, viral genetics, vaccine development and application. It is especially valuable for laboratory virologists, disease ecologists, physicians, and those who want to understand the complexities of viral characteristics.

## Towards Elimination of Dog Mediated Human Rabies

Frontiers Media SA Rabies is an ancient zoonotic viral disease that still exerts a high impact on human and animal health. The disease is almost 100% fatal after clinical signs appear, and it kills tens of thousands of people per year worldwide, particularly in Africa and many parts of Asia. Although the disease in humans can be prevented by timely post-exposure prophylaxis, its access and affordability is limited in rabies endemic countries. With 99% of infections in humans caused by rabid domestic dog bites, controlling the infection in this reservoir population has been proven to be most effective to reduce and eliminate human rabies cases. In this context, this Research Topic invited contributions on the control and elimination of dog mediated human rabies. Publications on epidemiological, educational, policy-related and economic aspects of dog and human rabies surveillance, implementation of control in dogs and humans and scientific documentation of success stories were consolidated. We hope that these articles contribute to reaching the ambitious goal, set by key players in global health, of the elimination of dog mediated human rabies by 2030.

## The Natural History of Rabies

Routledge This book provides essential worldwide reference information regarding rabies for public health officials, veterinarians, physicians, virologists, epidemiologists, infectious disease specialists, laboratory diagnosticians, and wildlife biologists. The book is divided into six main sections, covering topics such as the rabies virus, including antigenic and biochemical characteristics; pathogenesis, including the immune response to the infection, pathology, and latency; diagnostic techniques; rabies epidemiology in a variety of wild and domestic animals; rabies control, including vaccination of wild and domestic animals, as well as control on the international level; and finally a discussion of rabies in humans, local wound and serum treatment, and human post-exposure vaccination. Natural History of Rabies, First Edition has been the principal worldwide reference since 1975. The new Second Edition has been completely updated, providing current information on this historically deadly disease.

## Pediatrics, An Issue of Veterinary Clinics of North America: Small Animal Practice,

Elsevier Health Sciences This issue focuses on pediatric disorders in dogs and cats. Topics will include: clinical pathology of dogs and cats, pediatric neutering, pediatric immunization, nutrition, seizure disorders, canine pediatric dentistry, pediatric feline upper respiratory disease, neonatal fading syndrome, holistic pediatric medicine, management of the cleft palate, and urinary ectopia.

## Front Office Management for the Veterinary Team - E-Book

Elsevier Health Sciences The only book of its kind, Front Office Management for the Veterinary Team focuses on the day-to-day duties of the veterinary team. It offers a complete guide to scheduling appointments, billing and accounting, communicating effectively and compassionately with clients, managing medical records, budgeting, marketing your practice, managing inventory, using outside diagnostic laboratory services, and much more. Written by Heather Prendergast, RVT, CVPM, this manual simplifies essential tasks with step-by-step instructions! Exercises on the Evolve website offer additional practice with front office tasks. Interactive working forms give you experience completing sample checks, deposit slips, patient history forms, and incident reports. The latest information on electronic banking and tax forms ensures that you adhere to the most current financial guidelines. What Would You Do/Not Do boxes provide scenarios to expose you to real-life situations that occur in veterinary practice and guide you through to an appropriate resolution. Review questions test your understanding of concepts presented in each chapter. Practice Point boxes highlight practical information to remember while on the job. Veterinary Practice and the Law boxes provide essential information about laws that you must know in order to run an ethical practice and to protect the practice. Key terms and learning objectives guide you through study of the most important content.

## Anesthesia and Analgesia in Laboratory Animals

Academic Press Anesthesia and Analgesia in Laboratory Animals focuses on the special anesthetic, analgesic, and postoperative care requirements associated with experimental surgery. Fully revised and updated this new edition provides the reader with agents, methods, and techniques for anesthesia and analgesia that ensure humane and successful procedural outcomes. \* Provides researchers with the most comprehensive and up-to-date review of the use of anesthesia and analgesia in laboratory animals \* Thoroughly updated with new material on ferrets, birds, reptiles, amphibians, fish, and invertebrates \* Includes hot topic areas such as pain research, ethical issues, legal issues, and imaging studies

## Small Animal Internal Medicine - E-Book

Elsevier Health Sciences Learn to effectively recognize, diagnose, and treat common internal medical conditions with this invaluable reference. Small Animal Internal Medicine, Fourth Edition, emphasizes practical diagnostic approaches and focuses on the clinically relevant aspects of patient medical management. Extensive color illustrations, boxes, and algorithms, plus new photographs, schematic representations, and updated tables, set this book apart. With its highly functional design and clear, expert voice, this text delivers the most relevant information for the internal medical challenges you're most likely to face. Utilizes a problem-oriented approach, beginning with a discussion of clinical signs and diagnostic recommendations and techniques and moving on to therapeutic considerations and management Each contributor is a recognized expert in his or her respective specialty. Limited number of authors provides consistency. Clear, step-by-step procedural guidelines thoroughly describe each procedure. Cross-referencing throughout the book reduces redundancy and makes information easy to locate. Suggested readings at the end of each chapter alert you to the latest research findings. Comprehensive drug tables provide recommended dosages and indications. Purposefully written to enhance critical thinking and decision-making skills based on clinical findings. Hundreds of summary boxes and tables allow quick access to clinical signs, etiology, differential diagnoses, drugs, and treatment. Full-color format brings you accurate visual depictions of specific disorders, diseases, and procedures. Two new section editors bring a fresh perspective. Discussion of Immune-Mediated Disorders has been significantly expanded and made into its own section. Hundreds of new, full-color photographs and quick reference tables throughout Completely updated drug and treatment guidelines tables

## Not Fit for a Dog!

## The Truth About Manufactured Dog and Cat Food

Linden Publishing Highlighting the dangers of modern pet food--how it is unbalanced, creates addiction, and often contains ingredients that can literally poison your pet, this book destroys the myths propounded by pet food companies that human food is bad for pets, and that natural food diets are unsafe. Three veterinarians share their expertise and scientific evidence, providing an in-depth appraisal of the pet food industry and what people are feeding to their cats and dogs. This revolutionary book teaches how to read pet food labels and what ingredients to avoid, how to save on pet bills by preventing diet-related disease in pets, why veterinarians are often ignorant of the health effects of manufactured pet food, how a change in diet can cure many diet-related illnesses, and why organic farming practices and suppliers can be the best choice for pets. Armed with this information, people will be able to provide a better and healthier life for their animals.

## Homeopathic Care for Cats and Dogs, Revised Edition

## Small Doses for Small Animals

North Atlantic Books Most people understand homeopathy as a treatment for people, but as this book shows, our four-legged friends can benefit from it as well. First published in 1999, Homeopathic Care for Cats and Dogs quickly became a bestseller and an important resource for anyone looking for a more organic approach to caring for their cats and dogs. Using accessible language, author Don Hamilton gives readers an authoritative overview of animal homeopathy, covering history, treatment principles, homeopathic disease theory, and simple methods for using homeopathic remedies. Homeopathic Care for Cats and Dogs offers expert guidance on home care and diet, how to obtain the information needed to choose a homeopathic remedy, how to dose remedies, how to choose the potency, and when to repeat remedies if necessary. The book lists organ systems by chapter, providing concise descriptions of symptoms, including how to evaluate patients' illnesses and when to seek veterinary care. Remedy and supplement suggestions follow disease descriptions. Each section contains the principal remedies needed for treatment. The book ends with a materia medica, which gives more comprehensive remedy information for each medicine listed in the book. This updated edition contains a new chapter on the human-animal relationship, timely information on vaccines, as well as new remedy information in every chapter.

## Morbidity and Mortality Weekly Report

## MMWR. Recommendations and reports

## BSAVA Manual of Canine and Feline Behavioural Medicine

*BSAVA The importance of animal behavior and psychological well-being is increasingly being recognized in the veterinary profession. This new edition is designed to be even more practical and user-friendly than the first. For a range of behavioral presentations, consideration is given to evaluation of the patient, including any possible underlying disease; evaluation of client attitudes, beliefs and behavior; risk evaluation; behavioral biology of the condition; acute management protocols; long-term treatment strategies; prognosis; follow-up; and preventive measures. A special chapter on shelter animals has been added, as this is an area where veterinary support is increasingly sought in both health and husbandry. An included CD offers client handouts, history-taking forms, detailed behavioral questionnaires for each species and a referral form.*

## Infectious Diseases of the Dog and Cat - E-Book

*Elsevier Health Sciences The definitive reference for the diagnosis, treatment, and prevention of small animal infections, Infectious Diseases of the Dog and Cat, 4th Edition delivers current, comprehensive information essential to the management of infectious diseases caused by viruses, rickettsiae, chlamydiae, mycoplasmas, bacteria, fungi, algae, protozoa, and unknown agents. Each section guides you through diagnostic testing for specific microorganisms, from sample collection to laboratory submission to interpretation of results, then details appropriate treatment measures and pharmacologic considerations for the various related infections. Full-color illustrations and hundreds of tables provide quick, convenient access to diagnostic and therapeutic guidelines, and thoroughly updated drug information helps you confidently administer appropriate dosages for the most effective treatment and prevention. The most comprehensive infectious disease coverage available helps you confidently address clinical problems related to infectious diseases in dogs and cats, and includes: Immunization strategies and environmental control of infections Immunodeficiency disorders Prevention of infection in multi-pet and shelter settings Immunocompromised people and their pets Vibrant full-color illustrations clarify disease features and modes of disease transmission for enhanced diagnostic accuracy and disease prevention. Convenient tables deliver therapeutic recommendations and drug dosages at a glance. Complete antimicrobial drug formulary provides fast, easy access to indications, recommended dosages, and pharmacologic considerations essential for all relevant pharmaceuticals. State-of-the-art diagnostic testing procedures help you ensure accurate diagnoses for all clinically relevant pathogens. Content reflects the expert insight and vast clinical experience of a panel of trusted authorities on small animal infectious diseases. Easy-to-use companion website provides convenient online access to additional images, tables, boxes, appendices, and references linked directly to original PubMed abstracts. Expanded coverage of zoonoses, zoonotic potential, and precautions helps you effectively monitor and treat zoonotic infections. Fully updated drug formulary reflects the most current pharmacokinetics, indications, contraindications, handling and administration guidelines, and dosage recommendations available. Updated content throughout the text details current diagnostic testing regimens and therapeutic and preventive considerations for all pathogens you're likely to encounter in the clinical setting. Special focus on disease incidence and susceptibility in traveling animals helps you alert animal owners to potential risks associated with pet travel.*

## Anthrax in Humans and Animals

*World Health Organization This fourth edition of the anthrax guidelines encompasses a systematic review of the extensive new scientific literature and relevant publications up to end 2007 including all the new information that emerged in the 3-4 years after the anthrax letter events. This updated edition provides information on the disease and its importance, its etiology and ecology, and offers guidance on the detection, diagnostic, epidemiology, disinfection and decontamination, treatment and prophylaxis procedures, as well as control and surveillance processes for anthrax in humans and animals. With two rounds of a rigorous peer-review process, it is a relevant source of information for the management of anthrax in humans and animals.*

## The Canine Thyroid Epidemic

*Dogwise Publishing Problems with your dog? It may be his thyroid! If your dog is lethargic, losing his hair, gaining weight or suddenly becomes aggressive, perhaps the last thing you (or your vet!) would think about is his thyroid. Unfortunately, however, thyroid disorders can cause literally dozens of health and behavioral problems in dogs and frequently go undiagnosed or are misdiagnosed. And the real tragedy is that most thyroid problems are treatable with the right medical care and a well-informed owner can often minimize the chance of a thyroid disorder occurring in the first place. Noted veterinarian Jean Dodds and co-author Diana Laverdure have done the dog owning public and their vets a great service by writing The Canine Thyroid Epidemic. The book is written in such a way to inform both the average dog owner and animal health care professionals about the ways in which thyroid disorders occur, can be prevented and treated.*

## The Allergic Pet

## Holistic Solutions to End the Allergy Epidemic in Our Dogs and Cats

*Fox Chapel Publishing Dr. Deva Khalsa, a pioneer in holistic veterinary medicine, shares her effective, integrative approach to permanently eliminating dog allergies in this invaluable book. Dr. Khalsa shows how to strengthen your pet's immune system without the use of surgery or pharmaceutical drugs, and presents holistic health therapies for keeping your dog as healthy as it can be. Developed over decades of practice and study, Dr. Khalsa's methods combine traditional veterinary medicine, wholesome nutrition, and holistic therapies, such as alternative methods, herbal remedies, and botanical medicine. The Allergic Dog features a detailed explanation of the author's allergy elimination technique—a new approach for dealing with pet allergy problems. This inspired book offers useful advice for dog owners on food sensitivity, hot spots, ear infections, ringworm, scabies, intestinal parasites, vaccinations, and more. Inside The Allergic Dog: Holistic Therapies for an Allergy-Free Dog An inspiring new approach for dealing with pet allergy problems. Holistic health therapies for keeping your pets as healthy as they can be. How to strengthen your pet's immune system without the use of surgery or pharmaceutical drugs. The secrets of Dr. Khalsa's positive, life-changing allergy elimination technique. Useful advice on food sensitivity, hot spots, ear infections, ringworm, scabies, intestinal parasites, vaccinations, and more.*

## Red Panda

## Biology and Conservation of the First Panda

*Academic Press Red Panda: Biology and Conservation of the First Panda, Second Edition, provides the most up-to-date research, data, and conservation solutions for the red pandas, Ailurus species. Since the publication of the previous edition in 2010, the International Union for Conservation of Nature (IUCN) updated the threat level of red pandas, and they are now considered to be endangered. This latest edition is updated to provide an in-depth look at the scientific and conservation-based issues urgently facing the red panda today. Led by one of the world's leading authorities and advocates for red panda conservation, this new edition includes data from the Population and Habitat Viability (PHVA) workshops conducted in three of the species' range states, Nepal, China, and India; these workshops utilized firsthand information on the decrease of red panda populations due to factors including deforestation, illegal pet trade, human population growth, and climate change. This book also includes updated information from the first edition on reproduction, anatomy, veterinary care, zoo management, and fossil history. Discusses the evidence for two species of red panda and how this might impact conservation efforts Reports on status in the wild, looks at conservation issues and considers the future of this unique species Written by long-standing red panda experts as well as those specializing in fields involving cutting-edge red panda research Includes new chapters on topic including the impact of climate change, how bamboo influences distribution, and conservation in Bhutan and Myanmar*

## Medical Management of Wildlife Species

## A Guide for Veterinary Practitioners

*John Wiley & Sons This book offers an all-encompassing resource for reliable information on the medical management of wild birds, mammals, amphibians, and turtles. Focusing on the medical information relevant to the wildlife setting, it covers triage, emergency care, and other key considerations in handling, diagnosing, and treating wild animals. The book's population-based approach encourages practitioners to understand individual animal care within the broader context. Medical Management of Wildlife Species: A Guide for Practitioners begins with a brief summary of natural history, and introductory chapters address general topics such as pre-release conditioning, post-release monitoring, and legal issues associated with handling wildlife species. Species-specific chapters provide practical information on medical management, including the most prevalent concerns for each species and the epidemiology of infectious diseases. Provides a complete reference to handling, diagnosing, and treating wild species Covers the full range of North American wildlife Includes concepts that can be applied to species globally Emphasizes information relevant to the wildlife setting Focuses on individual medicine, firmly grounded within population medicine for a broader approach Targeted at wildlife veterinarians, veterinary clinicians that will be presented with wildlife, veterinary technicians, and wildlife rehabilitators Medical Management of Wildlife Species is a must-have addition to the bookshelf of wildlife veterinarians and any veterinarian seeing occasional wild animals, as well as wildlife biologists and researchers.*

## Biology and Diseases of the Ferret

*John Wiley & Sons Biology and Diseases of the Ferret, Third Edition has been thoroughly revised and updated to provide a current, comprehensive reference on the ferret. Encyclopedic in scope, it is the only book to focus on the characteristics that make the ferret an important research animal, with detailed information on conditions, procedures, and treatments. Offering basic information on biology, husbandry, clinical medicine, and surgery, as well as unique information on the use of ferrets in biomedical research, Biology and Diseases of the Ferret is an essential resource for investigators using ferrets in the laboratory and for companion animal and comparative medicine veterinarians. The Third Edition adds ten completely new chapters, covering regulatory considerations, black-footed ferret recovery, diseases of the cardiovascular system, viral respiratory disease research, morbillivirus research, genetic engineering, hearing and auditory function, vision and neuroplasticity research, nausea*

and vomiting research, and lung carcinogenesis research. Additionally, the anesthesia, surgery, and biotechnology chapter has been subdivided into three and thoroughly expanded. The book also highlights the ferret genome project, along with the emerging technology of genetically engineered ferrets, which is of particular importance to the future of the ferret as an animal model in research and will allow the investigation of diseases and their genetic basis in a small, easily maintained, non-rodent species.

## Current Issues in Molecular Virology

### Viral Genetics and Biotechnological Applications

*BoD - Books on Demand* This book is a collection of chapters dealing with examples of RNA and DNA viruses, and issues such as how these gene packages have learnt to take advantage of their hosts, molecular recognition events that hosts may use to counterattack the viruses, and how researchers have developed strategies to use viruses or their parts as tools for different purposes.

### Miller - Fowler's Zoo and Wild Animal Medicine Current Therapy, Volume 9 E-Book

*Elsevier Health Sciences* Bringing together a globally diverse range of timely topics related to zoo and wild animals, *Fowler's Zoo and Wild Animal Medicine, Volume 9* is an invaluable tool for any professional working directly with wildlife and zoo animals. The text's user-friendly format guides readers through biology, anatomy, and special physiology; reproduction; restraint and handling; housing requirements; nutrition and feeding; surgery and anesthesia; diagnostics, and therapeutics for each animal. Two new co-editors and a globally diverse group of expert contributors each lend their expertise on a wide range of new topics — including a new section on emerging wildlife diseases covering topics like MERS, Equine Herpesvirus, and Ebola in great apes. Other new topics integrated into this ninth volume include: stem cell therapy in zoo medicine, cardiac disease in great apes, disease risk assessment in field studies, Tasmanian devil tumors, and the latest information on the elephant herpes virus. With all its synthesized coverage of emerging trends, treatment protocols, and diagnostic updates new to the field, *Fowler's* is a reference you don't want to be without. Current therapy format ensures that each CT volume in the series covers all new topics that are relevant at the time of publication. Synthesized topics offer the right amount of depth — often fewer than 10 pages — to maintain an accessible format. General taxon-based format covers all terrestrial vertebrate taxa plus selected topics on aquatic and invertebrate taxa. Updated information from the Zoological Information Management System (ZIMS) has been incorporated to keep readers up to date on this worldwide system. Globally diverse panel of expert contributors each incorporate the latest research and clinical management of captive and free-ranging wild animals throughout the world. **NEW!** Two new co-editors (for a total of three editors) each lend their expertise on a wide range of new wild and zoo animal topics. **NEW!** Section on emerging wildlife diseases includes chapters on MERS, SARS, Ebola in great apes, and a variety of other emerging wildlife diseases.

### Biology and Pathogenesis of Rhabdo- and Filoviruses

*World Scientific* Rhabdoviruses and Filoviruses are single-stranded, non-segmented, negative-strand RNA viruses, many of which cause significant morbidity and mortality in humans and animals. Certain members of these virus families have been used as excellent model systems to understand the molecular biology of replication, host responses to infections, and viral countermeasures. Rhabdoviruses have also been used as vaccine vectors as well as oncolytic agents. Studies on Filoviruses have now provided significant insights into how they enter susceptible cells, replicate and cause disease, and also how they evade the host's immune mechanisms. This book addresses the most recent findings on Rhabdovirus and Filovirus structure, replication mechanisms, host cell responses to virus infections and viral countermeasures. Chapters on emerging viruses as well as approaches for therapeutic interventions have also been included. This book represents an authoritative text that brings together the most recent advances on the cellular and molecular biology of Rhabdo- and Filoviruses, including mechanisms of pathogenesis. Contents: Overview of Rhabdo- and Filoviruses (Asit K Pattnaik and Michael A Whitt) Rhabdovirus Structure (Ming Luo) The Pathway of VSV Entry into Cells (Shem Johnson and Jean Gruenberg) Rhabdovirus Glycoproteins (Yves Gaudin and Michael A Whitt) VSV RNA Transcription and Replication (Jacques Perrault) Host Cell Functions in Vesicular Stomatitis Virus Replication (Phat X Dinh, Anshuman Das, and Asit K Pattnaik) Cytopathogenesis of Rhabdoviruses (Douglas S Lyles) Assembly and Budding of Rhabdo- and Filoviruses (Ziyang Han and Ronald N Harty) Rhabdoviruses as Vaccine Vectors: From Initial Development to Clinical Trials (John K Rose and David K Clarke) Oncolytic Rhabdoviruses (Nicole E Forbes and John C Bell) Use of Rhabdoviruses to Study Neural Circuitry (Melanie Ginger, Guillaume Bony, Matthias Haberl, and Andreas Frick) Evolution of Rhabdo- and Filoviruses (Isabel S Novella, John B Presloid, and R Travis Taylor) Emerging Rhabdoviruses (Imke Steffen and Graham Simmons) Rabies Virus Replication and Pathogenesis (Andrew W Hudacek and Matthias J Schnell) Activation and Evasion of Innate Immune Response by Rhabdoviruses (Karl-Klaus Conzelmann) Rabies Virus Vaccines (Ying Huang, Clement W Gnanadurai, and Zhen F Fu) Filovirus Structure and Morphogenesis (Timothy F Booth, Daniel R Beniac, Melissa J Rabb, and Lindsey L Lamboo) Epidemiology and Pathogenesis of Filovirus Infections (Logan Banadyga and Hideki Ebihara) Filovirus Entry into Susceptible Cells (Rohit K Jangra, Eva Mittler, and Kartik Chandran) Filovirus Transcription & Replication (Kristina Brauburger, Laure R DeFlubé, and Elke Muhlberger) Innate Immune Evasion Mechanisms of Filoviruses (Christopher F Basler, Gaya K Amarasinghe, and Daisy W Leung) Vaccines and Antivirals for Filoviruses (Chad E Mire and Thomas W Geisbe) Readership: Investigators, graduate students, and post-graduate researchers in the field of RNA virology. **Key Features:** The book describes the most recent advances in our understanding of cellular and molecular aspects of replication and pathogenic mechanisms of these two important viral pathogens Unlike other existing textbooks published earlier, this book brings together several major topics of research such as replication, host response to viral replication and viral countermeasures, viral evolution and emerging viruses, viral vectors, vaccines and antivirals, etc The chapters in the book are written by renowned researchers in these fields **Keywords:** Negative-Strand RNA Virus; Mononegavirales; Rhabdovirus; Filovirus; VSV; Rabies Virus; Marburg Virus; Ebola Virus; Replication and Transcription; Virus Structure; Viral Pathogenesis; Epidemiology; Virus Entry; Virus Assembly and Budding; Cytopathogenesis; Neuronal Tracers; Viral Vectors; Oncolytic Viruses; Evolution; Emerging Viruses; Innate Immune Responses; Vaccines; Antivirals

### Biology, Medicine, and Surgery of Elephants

*John Wiley & Sons* Elephants are possibly the most well-known members of the animal kingdom. The enormous size, unusual anatomy, and longevity of elephants have fascinated humans for millennia. *Biology, Medicine, and Surgery of Elephants* serves as a comprehensive text on elephant medicine and surgery. Based on the expertise of 36 scientists and clinical veterinarians, this volume covers biology, husbandry, veterinary medicine and surgery of the elephant as known today. Written by the foremost experts in the field Comprehensively covers both Asian and African elephants Complete with taxonomy, behavioral, geographical and systemic information Well-illustrated and organized for easy reference