

## Canine Diseases Nobivac

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

Canine distemper virus (CDV) has emerged as a significant disease of wildlife, is highly contagious and readily transmitted between susceptible hosts. Initially described as an infectious disease of domestic dogs, it is now recognised as a global multi-host pathogen, infecting and causing mass mortalities in a wide range of carnivore species. The last decade has seen the negative effect of numerous CDV outbreaks in various wildlife populations. Prevention of CDV infection requires a clear understanding of the potential as well as the dynamic pathways CDV uses to gain entry to its host cells and its ability to initiate viral shedding and disease transmission. Additionally, vaccination failure in CDV-infected wildlife is not uncommon, with several cases of disease outbreaks reported in vaccinated individuals. More studies on the genetic characteristics of CDV is thus required to evaluate the effectiveness of current CDV vaccines and to determine if there is a need to develop new vaccines against emergence of novel CDV strains. The first chapter is a review on recent research conducted on CDV infection in wildlife, including the latest findings on the causes of host specificity

and cellular receptors involved in distemper pathogenesis. This is followed by a chapter on the whole genome sequence analyses of three CDV vaccines (Nobivac, Onderstepoort and Bucharest) and wild-type strains, isolated from African wild dog (*Lycaon pictus*) and spotted hyena (*Crocuta crocuta*). Each gene region was assessed through phylogenetic analyses and was evaluated for their usefulness in distinguishing strain diversity. Results showed that these two wild-type strains belong to the South African lineage, and all three vaccine strains to America I. Little is known about the CDV strains circulating in South Africa and these results constitute the first genomic sequences reported from isolates in South Africa.

"Leptospira is a Gram-negative bacterium that causes leptospirosis, one of the most important re-emerging zoonotic diseases. The disease is worldwide diffused, and animals are involved in its spreading. Among animals, wildlife play an important role in the epidemiology of leptospirosis, as reservoir of specific *Leptospira* serovar. Several species are known as *Leptospira* maintenance host, but other are less investigated and could represent a "new" host involved in its epidemiology. The book "*Leptospira Infection in Wild Animals*" contains descriptions of leptospirosis epidemiology in several wild animal species, highlighting the infection in different part of world, the most

detected *Leptospira* serovar and the risks of infection for both humans and domestic animals. Data on marine mammals, wild boar, rodent, lagomorph, wild ruminants, amphibian and reptiles, bats and non-human primates *Leptospira* infection were deeply analysed and discussed in order to better understand their role in the leptospirosis epidemiology"--

Clinical Small Animal Internal Medicine is a comprehensive, practical reference designed to meet the needs of veterinary practitioners and students alike. Covering all aspects of small animal internal medicine, this innovative guide provides clinically relevant material, plus podcasts and continual updates online. Concise, identically-formatted chapters allow readers to quickly find the most essential information for clinical veterinary practice. Contributions from academic and clinical experts cover general medicine subjects, including patient evaluation and management, critical care medicine, preventative care, and diagnostic and therapeutic considerations. Topics relevant to daily clinical practice are examined in detail, ranging from endocrine, cardiovascular, respiratory, and infectious disease to oncology, dermatology, metabolic orthopedic disease, gastroenterology, and hepatology. A companion website features podcasts and updated information. An important addition to the library of any practice, this clinically-

oriented text: Presents complete, practical information on small animal internal medicine Provides the background physiology required to understand normal versus abnormal in real-world clinical settings Includes general medicine topics not covered in other internal medicine books Focuses on information that is directly applicable to daily practice Features podcasts and continual updates on a companion website Carefully tailored for the needs of small animal practitioners and veterinary students, *Clinical Small Animal Internal Medicine* is an invaluable, reader-friendly reference on internal medicine of the dog and cat.

Principles and Applications

Emergence and Control of Zoonotic Viral

Encephalitides

Equine Viruses

Arthropod-borne Infectious Diseases of the Dog and Cat

Breakthrough Nutrition and Integrative Care for Dogs and Cats

Animal Parasites

Research synthesis is the practice of systematically distilling and integrating data from many studies in order to draw more reliable conclusions about a given research issue. When the first edition of *The Handbook of Research Synthesis and Meta-Analysis* was published in 1994, it quickly became the definitive reference for conducting meta-

analyses in both the social and behavioral sciences. In the third edition, editors Harris Cooper, Larry Hedges, and Jeff Valentine present updated versions of classic chapters and add new sections that evaluate cutting-edge developments in the field. The Handbook of Research Synthesis and Meta-Analysis draws upon groundbreaking advances that have transformed research synthesis from a narrative craft into an important scientific process in its own right. The editors and leading scholars guide the reader through every stage of the research synthesis process—problem formulation, literature search and evaluation, statistical integration, and report preparation. The Handbook incorporates state-of-the-art techniques from all quantitative synthesis traditions and distills a vast literature to explain the most effective solutions to the problems of quantitative data integration. Among the statistical issues addressed are the synthesis of non-independent data sets, fixed and random effects methods, the performance of sensitivity analyses and model assessments, the development of machine-based abstract screening, the increased use of meta-regression and the problems of missing data. The Handbook also addresses the non-statistical aspects of research synthesis, including searching the literature and developing schemes for gathering information from study reports. Those engaged in research synthesis will find useful advice on how

tables, graphs, and narration can foster communication of the results of research syntheses. The third edition of the Handbook provides comprehensive instruction in the skills necessary to conduct research syntheses and represents the premier text on research synthesis. Praise for the first edition: "The Handbook is a comprehensive treatment of literature synthesis and provides practical advice for anyone deep in the throes of, just teetering on the brink of, or attempting to decipher a meta-analysis. Given the expanding application and importance of literature synthesis, understanding both its strengths and weaknesses is essential for its practitioners and consumers. This volume is a good beginning for those who wish to gain that understanding." —Chance "Meta-analysis, as the statistical analysis of a large collection of results from individual studies is called, has now achieved a status of respectability in medicine. This respectability, when combined with the slight hint of mystique that sometimes surrounds meta-analysis, ensures that results of studies that use it are treated with the respect they deserve....The Handbook of Research Synthesis is one of the most important publications in this subject both as a definitive reference book and a practical manual."—British Medical Journal

When the first edition of The Handbook of Research Synthesis was published in 1994, it

quickly became the definitive reference for researchers conducting meta-analyses of existing research in both the social and biological sciences. In this fully revised second edition, editors Harris Cooper, Larry Hedges, and Jeff Valentine present updated versions of the Handbook's classic chapters, as well as entirely new sections reporting on the most recent, cutting-edge developments in the field. Research synthesis is the practice of systematically distilling and integrating data from a variety of sources in order to draw more reliable conclusions about a given question or topic. The Handbook of Research Synthesis and Meta-Analysis draws upon years of groundbreaking advances that have transformed research synthesis from a narrative craft into an important scientific process in its own right. Cooper, Hedges, and Valentine have assembled leading authorities in the field to guide the reader through every stage of the research synthesis process—problem formulation, literature search and evaluation, statistical integration, and report preparation. The Handbook of Research Synthesis and Meta-Analysis incorporates state-of-the-art techniques from all quantitative synthesis traditions. Distilling a vast technical literature and many informal sources, the Handbook provides a portfolio of the most effective solutions to the problems of quantitative data integration. Among the statistical issues addressed by the authors

are the synthesis of non-independent data sets, fixed and random effects methods, the performance of sensitivity analyses and model assessments, and the problem of missing data. The Handbook of Research Synthesis and Meta-Analysis also provides a rich treatment of the non-statistical aspects of research synthesis. Topics include searching the literature, and developing schemes for gathering information from study reports. Those engaged in research synthesis will also find useful advice on how tables, graphs, and narration can be used to provide the most meaningful communication of the results of research synthesis. In addition, the editors address the potentials and limitations of research synthesis, and its future directions. The past decade has been a period of enormous growth in the field of research synthesis. The second edition Handbook thoroughly revises original chapters to assure that the volume remains the most authoritative source of information for researchers undertaking meta-analysis today. In response to the increasing use of research synthesis in the formation of public policy, the second edition includes a new chapter on both the strengths and limitations of research synthesis in policy debates

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. The centrality of nutrition in the state of health of pets has emerged only in the recent years, both to prolong their life expectancy and to prevent the onset of serious diseases such as obesity, diabetes mellitus or liver lipidosis. The goal of this book is that each veterinarian can clearly answer the questions that are most frequently asked by the owners: Which type of food to choose? How to navigate between the different products on the market? The text also provides real recipes to be proposed in synergy with the nutritional handbooks of various food manufacturers, to consciously choose and be able to compare the nutritional characteristics of different products on the market. Nutrition is a

fundamental aspect in the relationship between owners and pets and for this reason the text also gives great importance to aspects related to behavior and alimentary disturbances on an emotional basis.

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.

Vaccine Guide for Dogs and Cats

U.K. Vet

Rhodesian Ridgeback Training

Veterinary Technician

What Every Pet Lover Should Know

Dog Training for your Rhodesian Ridgeback puppy

***This important book provides information on all canine and feline vaccines. It includes several personal stories of vaccine damage to family pets, as well as hundreds of studies documenting veterinary vaccine safety and efficacy problems.***

***The text is currently the most up-to-date book on ferret medicine and as such, would be an important addition to the library of veterinary practices seeing these lively, curious and fun-loving pets. Aidan Raftery, Veterinary Record 17***

***March 2018 Ferrets are becoming increasingly popular as pets, rivalling rabbits as the third most favoured domestic pet after dogs and cats. Ferret Medicine and Surgery discusses the veterinary aspects of this incredible little creature. The book covers ferret medicine and common surgeries, providing a comprehensive reference for the veterinary practitioner. Each chapter of disorders is designed to be inclusive and includes cross references to other chapters throughout as well as some highlights of anatomy and physiology as a review. The format allows easy access to information providing answers to problems that arise in practice. Thoroughly illustrated with high-quality photographs and line drawings, the book is designed to provide quick, concise information of immediate use to the practitioner. Provides a concise and authoritative reference on the use of vaccines against diseases of livestock Compiled by Senior Animal Health Officers at The Food and Agriculture Organization of the United Nations, and with contributions from international leading experts, Veterinary Vaccines: Principles and Applications is a concise and authoritative reference featuring easily readable reviews of the latest research in vaccinology and vaccine immune response to pathogens of major economic impact to***

***livestock. It covers advice and recommendations for vaccine production, quality control, and effective vaccination schemes including vaccine selection, specifications, vaccination programs, vaccine handling in the field, application, failures, and assessment of herd protection. In addition, the book presents discussions on the current status and potential future developments of vaccines and vaccination against selected transboundary animal diseases. Provides a clear and comprehensive guide on using veterinary vaccines to protect livestock from diseases Teaches the principles of vaccinology and vaccine immune response Highlights the vaccine production schemes and standards for quality control testing Offers easy-to-read reviews of the most current research on the subject Gives readers advice and recommendations on which vaccination schemes are most effective Discusses the today's state of vaccines and vaccination against selected transboundary animal diseases as well as possible future developments in the field Veterinary Vaccines: Principles and Applications is an important resource for veterinary practitioners, animal health department officials, vaccine scientists, and veterinary students. It will also be of interest to professional associations and NGO active in livestock industry.***

***In recent years there has been growing international focus on the importance of emerging and re-emerging arthropod-borne diseases in both human and veterinary medicine. Increasingly these diseases are being diagnosed and treated in veterinary practice. In this book the authors first discuss the overall significance of this group of diseases, plus arthropod biology and immunology, and current laboratory diagnostic methods, followed by individual chapters on each disease entity, grouped by causative organism (protozoan, bacterial, viral). Each chapter covers background etiology and epidemiology, including the role of wildlife species and zoonotic effects, pathogenesis, clinical signs, diagnosis and treatment. The book is illustrated throughout in color and contains photographs of clinical cases, hematology, cytology and gross and microscopic pathology. In short, the book provides an accessible guide to arthropod-borne infectious disease for veterinarians in practice and training.***

***Rabies Symptoms, Diagnosis, Prophylaxis and Treatment***

***Principles and Practice, Second Edition***

***Biology and Diseases of the Ferret***

***Ferrets, Rabbits and Rodents - E-Book***

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

***Fencing for Conservation***

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.

Rhodesian Ridgeback Training - Dog Training for your Rhodesian Ridgeback puppy The training of dogs is often...  
... confused with classical dog training drills ... only considered necessary for demanding dogs ... mocked by other dog owners ... replaced by anti-authoritarian methods ... considered too difficult to achieve without experience. What constitutes dog training and what is it good for? And how can you and your Rhodesian Ridgeback profit from it without having any experience? The most important thing is to understand how a dog sees his world, what is "normal" for him and how you can use this to your advantage. In addition, the characteristics of each breed are significant when you get beyond the basic training phase. Your Rhodesian Ridgeback will show characteristics which are different to those of a Chihuahua, for example, and this is predominantly what you need to consider during training. This book is vol. 1 of the Rhodesian Ridgeback training books. Vol. 2 for your grown

up Rhodesian Ridgeback is also available with the title "Rhodesian Ridgeback Training Vol. 2: Dog Training for your grown-up Rhodesian Ridgeback" Author Claudia Kaiser says about her book: "It was my desire to let other dog owners profit from the knowledge I have gained over many years, and after making many mistakes. I love my dog and know how important it is to adapt the training to suit each breed. It is exactly this desire that prompted me to write this book. My aim is to help every beginner, not only to understand his dog better, but also to know exactly how to get the best results, step-by-step, so that you can achieve a close, positive and trusting human-dog relationship." Quench your curiosity to know about background information, read reports on other experiences and obtain step-by-step instructions and secret tips which are tailor-made for your Rhodesian Ridgeback. Get your copy of this book today and experience... .. how your Rhodesian Ridgeback sees his world ... and how you can progressively train your dog to receive the best results. Your Rhodesian Ridgeback will

appreciate it... .. so this is my advice: Don't hesitate to buy this book! Content of this book: About the Author Preface What you need to know about your Rhodesian Ridgeback Cornerstones of training puppies Before the puppy arrives The first few weeks The first commands Training basic knowledge Special Chapter - The hunting instinct Check list for the start Conclusion

Veterinary Immunology: Principles and Practice has become the adopted text in numerous veterinary schools throughout the world. Widely updated with advances in knowledge since 2011, this second edition reflects the rapid development in the field. The new edition presents expanded information on commonly used diagnostic test procedures and discusses

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.

Companion animal

Ear, Nose and Throat Diseases of the Dog and Cat

BSAVA Manual of Rodents and Ferrets  
Second Report

Veterinary Immunology

WHO Expert Consultation on Rabies

Essentials of Avian Medicine and Surgery is designed as a concise quick reference for the busy practitioner and animal nurse. Eminently practical, this classic avian text is prized for its down-to-earth approach. new contributions from world renowned experts in avian medicine new chapter on the special senses of birds, an understanding of which is crucial when giving advice on avian welfare problems fully up-to-date on the latest diagnostic and imaging techniques avian zoonotics are highlighted in infectious diseases section

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. The conflict between increasing human population and biodiversity conservation is one of the IUCN's key threatening processes. Conservation planning has received a great deal of coverage and research as a way of conserving biodiversity yet, while theoretically successful, it has never been tested. Simple lines on maps to illustrate conservation areas are unlikely to be successful in the light of human encroachment. It may be that some form of overt display is necessary to ensure the protection of reserves. This may be signage, presence of guards/rangers or physical fencing structures. The need for some form of barrier goes beyond restricting human access. The megafauna of Africa pose a genuine threat to human survival. In southern Africa,

**fences keep animals in and protect the abutting human population. Elsewhere, fencing is not considered important or viable. Where poverty is rife, it won't take much to tip the balance from beneficial conservation areas to troublesome repositories of crop-raiders, diseases and killers. Conversely, in New Zealand fences are used to keep animals out. Introduced species have decimated New Zealand's endemic birds, reptiles and invertebrates, and several sites have been entirely encapsulated in mouse-proof fencing to ensure their protection. Australia faces the same problems as New Zealand, however surrounds its national parks with cattle fences. Foxes and cats are free to enter and leave at will, resulting in rapid recolonisation following poisoning campaigns. How long will these poison campaigns work before tolerance, aversion or resistance evolves in the introduced predator populations?**

**"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.**

**Leptospira and Leptospirosis**

**Veterinary Vaccines**

**Animal-Origin Viral Zoonoses**

**Fenner's Veterinary Virology**

**ANIMAL WELFARE (LICENSING OF ACTIVITIES INVOLVING ANIMALS) (ENGLAND)**

**REGULATIONS 2018**

**Diagnosis, Treatment, Prevention**

*The BSAVA Manual of Rodents and Ferrets is a new title to the BSAVA range. The Manual is split into two distinct sections: the first part is dedicated to rodents covering biology, husbandry and clinical techniques, as well as the diseases particular to these animals. The second part of the Manual is devoted to ferrets and discusses biology, husbandry and clinical techniques, and diseases by body system. Coverage includes main disease conditions as well as medicine and surgery. The straightforward and clinical approach ensures that veterinarians in practice will find it useful as a general reference text.*

*The human–animal bond has evolved and diversified down the ages. Dogs, cats and even horses, have long fulfilled the role of faithful companion and indeed, as exemplified by the introduction of seeing and hearing dogs, there may be a critical level of co-dependency between the species. In the twenty-first century, the animal types that are kept as pets in many parts of the world*

are extensive ranging from reptiles through rodents to ruminants and beyond. As would be predicted by the nature of the relationship, the approach to treatment of a companion animal is often closely aligned to that which would have been offered to their owner.

However, an increasing awareness of welfare issues, such as the recognition that animals experience pain and the proven benefits of disease prevention in intensive farming units, together with the growth in zoos and wildlife parks, has increased the likelihood of food producing and non-domesticated animals receiving medicinal products during their life-time. Although many of the individual drugs or classes of drugs administered to animals are the same as, or derived from, those given to man, the safe and effective use of drugs in animals often cannot be achieved by simply transposing knowledge of drug action on, or behaviour in, the body from one species to another. The impact of the anatomical, physiological and pathophysiological variability that spans the animal kingdom can often profoundly alter drug response.

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. From budgies and cockatiels to chipmunks and chinchillas, our interest in exotic pets has rocketed in recent years. With the house rabbit being the UK's third most commonly kept pet after the cat and dog, and sales in small mammals, reptiles and birds continuing to grow, exotic pets have now become a specialist area of veterinary practice in their own right. *Veterinary Nursing of Exotic*

*Pets is the first book to address the need for a definitive reference book devoted entirely to the principles and applications of nursing exotic species. Developed from a City and Guild's course, it not only covers husbandry, nutrition and handling, but also explores anatomy and chemical restraint, and provides an overview of diseases and treatments.*

*Canine and feline nutrition and dietetics*

*Veterinary Nursing of Exotic Pets*

*The Ultimate Pet Health Guide*

*Ferret Medicine and Surgery*

*Restriction of Evolutionary Potential or a Riposte to Threatening Processes?*

*A guide for the general practitioner*

This book is the second volume in the series Livestock Diseases and Management, and reviews the importance and implications of animal origin viral zoonoses. It also highlights the specific etiology and epidemiology of these viral infections and discusses their various biological and mechanical transmission mechanisms. Further, the book reviews various measures for controlling viral zoonoses and examines novel therapeutic and prophylactic strategies. Discussing recent studies on the pathogenesis and host immune response to these infections, it underscores the importance of using vaccines against these viral diseases to reduce the risk of them being transmitted to humans. Lastly, it describes in detail the challenges posed by these viral infections and our readiness to face them.

The Food and Agriculture Organization of the United

Nations has recently estimated that the world equid population exceeds 110 million. Working equids (horses, ponies, donkeys, and mules) remain essential to ensure the livelihood of poor communities around the world. In many developed countries, the equine industry has significant economical weight, with around 7 million horses in Europe alone. The close relationship between humans and equids and the fact that the athlete horse is the terrestrial mammal that travels the most worldwide after humans are important elements to consider in the transmission of pathogens and diseases, amongst equids and to other species. The potential effect of climate change on vector ecology and vector-borne diseases is also of concern for both human and animal health. In this Special Issue, we intend to explore our understanding of a panel of equine viruses, looking at their pathogenicity, their importance in terms of welfare and potential association with diseases, their economic importance and impact on performance, and how their identification can be helped by new technologies and methods.

As a holistic veterinarian and scientist, Dr. Gary Richter helps dog and cat owners to navigate the thicket of treatment options and separate the fact from the fiction. He wants us to use what actually works, not just what Western science or alternative medicine say "should" work. This multifaceted approach to health is known as integrative medicine. Dr. Richter examines traditional medicine from many cultures alongside modern medical techniques, describing the best of complementary care and the best of conventional veterinary medicine. Every

treatment he recommends has the backing of scientific research or years of successful outcomes in his clinical practice. After explaining the treatment, he offers specific recommendations for an integrative approach to common diseases, including allergies, skin conditions, diabetes, heart disease, and cancer. A holistic approach to health includes nutrition, as it sets up the foundation for your pet's health. Dr. Richter cuts through the hype in the pet-food world and explains how to choose the best commercial foods and supplements, and even includes both raw and cooked dog- and cat-food recipes for general diet as well as to treat specific needs. He also explains how we can use the right foods and supplements to "hack" the body's processes, including the immune system.

This volume covers all aspects of infection by pathogenic *Leptospira* species, the causative agents of the world's most widespread zoonosis. Topics include aspects of human and animal leptospirosis as well as detailed analyses of our current knowledge of leptospiral structure and physiology, epidemiology, pathogenesis, genomics, immunity and vaccines. Updates are presented on leptospiral systematics, identification and diagnostics, as well as practical information on culture of *Leptospira*. Contact information is also provided for *Leptospira* reference centers. All chapters were written by experts in the field, providing an invaluable reference source for scientists, veterinarians, clinicians and all others with an interest in leptospirosis.

Third Report

The Handbook of Research Synthesis and Meta-

Analysis

First Report

Comparative and Veterinary Pharmacology

Infectious Disease Management in Animal Shelters

Fenner's Veterinary, Virology, Fourth Edition, is the long awaited new edition of Veterinary Virology, 3e, which was published in 1999. Fully revised and updated by the new author team, part I presents the fundamental principles of virology related to animal infection and disease, and part II addresses the clinical features, pathogenesis, diagnosis, epidemiology and prevention of individual diseases. New to this Edition New author team - one main author to ensure that the book reads like an authored book but with the benefit of using experts to contribute to specific topics Text has been refocused - part I has been condensed and where appropriate incorporated into part II to make it more user friendly The number of figures have been increased and are now in full color Fully revised and updated to include the latest information in the field of veterinary virology Beautifully illustrated color figures throughout Organized and current information provided by an expert team of authors

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.

This textbook focuses on the most important parasites affecting dogs, cats, ruminants, horses, pigs, rabbits, rodents, birds, fishes, reptiles and bees. For each parasite, the book offers a concise summary including its distribution, epidemiology, lifecycle, morphology, clinical manifestations, diagnosis, prophylaxis and therapeutic measures. Numerous informative tables and more than 500 color micrographs and schemes present the most important aspects of the parasites, their induced diseases and the latest information on suitable prevention and control measures. 100 questions at the end of the book offer readers the chance to test their comprehension. The book is well suited as both a textbook and a reference guide for veterinarians, students of the veterinary and life sciences, veterinarian nurses, laboratory staff, and pet and livestock owners.

Vaccines have historically been considered to be the most cost-effective method for preventing communicable diseases. It was a vaccine that enabled global eradication of the dreaded disease smallpox. Mass immunization of children forms the anchor of the strategy of the World Health Organization (WHO) to attain "health for all" status by the year 2000. Vaccinology is undergoing a dimensional change with the advances that have taken place in immunology and genetic engineering. Vaccines that confer short or inadequate immunity or that have side effects are being replaced by better vaccines. New vaccines are being developed for a variety of maladies. Monoclonal antibodies and T cell clones have been employed to delineate the immunodeterminants on microbes, an approach elegantly complemented by computer graphics and molecular imaging techniques. Possibilities have opened for obtaining hitherto scarce antigens of parasites by the DNA recombinant route. Better appreciation of the idiotypic network has aroused

research on anti idiotypic vaccines. Solid-phase synthesis of peptides is leading to an array of synthetic vaccines, an approach that is expected to attain its full potential once the sequences activating suppressor cells are discovered and the rules for presentation of antigens to T and B cells are better worked out. A new breed of vaccines is on the horizon that seeks to control fertility. Originally conceived to intercept a step in the reproductive process, they are conceptual models for developing approaches to regulate the body's internal processes.

Clinical Small Animal Internal Medicine

Vaccines for Veterinarians E-Book

Clinical Medicine and Surgery

Essentials of Avian Medicine and Surgery

Molecular Characterisation and Host Specificity of Canine

Distemper Virus in Selected Wild Carnivores of South Africa

Virus Infections of Equines

***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 bi methodology 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.*

*Infectious Disease Management in Animal Shelters* John Wiley & Sons

*Ear, Nose and Throat Diseases of the Dog and Cat is the ultimate reference for veterinarians and other professionals trying to diagnose and treat both common and less frequently diagnosed diseases and*

*conditions of the ear, nose and throat. The book is divided into four sections: The Ear, The Nose, The Throat and Surgery of the Ear, Nose and Throat. Each of the first three sections begins by discussing anatomy and physiology and then reviews a wide variety of diagnostic procedures including video-endoscopic examination of the external ear canal, nose and throat, radiography and advanced imaging, and histopathological examination of biopsy samples. Chapters in each of the three sections then provide a detailed and extensive review of the diseases of the pinna, external ear canal, middle ear and inner ear - nasal planum, nasal cavities and sinuses and nasopharynx - pharynx and larynx. The final section opens with a chapter on perioperative management with subsequent chapters that cover surgery of the ear, nose and throat. Extensively referenced, and including more than 750 color illustrations to assist in diagnosis and treatment, the book is an invaluable resource for both veterinarians in training and in practice for the accurate diagnosis and management of diseases of the ear, nose and throat.*

*Both a theoretical text and a practical handbook, Vaccines for Veterinarians is the first of its kind to bring the basic*

*science of animal vaccination and the practical details of vaccine use together in one single volume. From the first chapter on the history of vaccination and the triumph of rinderpest eradication to the last chapter on the rapidly emerging field of cancer vaccines, this book offers a truly comprehensive grounding in established and emerging vaccines for both major and minor species. Specific topics include viral vectored vaccines, DNA-plasmid vaccines, RNA vaccines, reverse vaccinology, the complexities of adjuvant use, vaccine failures and adverse events, vaccine production and regulation, robotic vaccination machines, contraceptive and production-enhancing vaccines, and so much more. At a time when resistance to human vaccination is receiving much publicity, this evidence-based book is the ideal counter to ill-informed speculation – serving as a timely reminder that vaccination is essential for the control of infectious diseases in animals. Well-respected and experienced veterinary author, Ian Tizard, provides expert guidance on the topic of vaccinations and immunology in veterinary medicine. Expert Consult site offers an online version of the book, making it easy to search the entire book electronically. The latest*

*information on viral vectored vaccines keeps you up-to-date on the topic as well as the properties and relative advantages of currently used vectors in animal vaccines. Survey of vaccine responses covers the different mechanisms by which the immune system responds to different types of vaccines. Inclusion of the latest vaccine technologies discusses the advantages and disadvantages of DNA-plasmid vaccines, RNA vaccines, and more. Coverage of adverse events and hypersensitivities includes the best ways to treat them and report them. Coverage of passive immunization discusses the growing use of therapeutic monoclonal antibodies in veterinary medicine. Coverage of immunotherapy includes recent improvements and new products in both active and passive immunotherapy against animal cancers.*

*Shelter Medicine for Veterinarians and Staff*

*Leptospira Infection in Wild Animals  
Emerging Infectious Diseases*