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Emerging Infectious Diseases 2012

Veterinary Microbiology and Microbial Disease 2002

Exotic Animal Hematology and Cytology Terry W. Campbell 2022-01-21 The newly revised Fifth Edition of Exotic Animal Hematology and Cytology delivers a fully updated new edition of the most complete reference to hematology and cytology in exotic animals. The book features high-quality images and step-by-step descriptions of practical techniques. Organized by animal class to make it easier to quickly find critical information, the authors have included 45 new case studies to highlight the application of the content in a real-world setting. All major exotic animal groups are covered, including mammals, birds, reptiles, amphibians, and fish. Clinicians seeking a decision-making aid for patient workup, treatment, and prognosis will find what they need in Exotic Animal Hematology and Cytology. The book also includes: Thorough cellular descriptions unique to mammalian, avian, herptile, and fish species, with extensive discussions of blood and bone marrow sample collection and hematologic techniques for each group Comprehensive evaluation of the peripheral blood specific to mammals, birds, herptiles, and fish, as well as the evaluation of bone marrow Practical discussions of hematology case studies with applications to common real-world clinical problems Color atlas of hemic cells of select species for quick and easy reference Extensive examinations of cytodagnosis and exploration of unique features within mammals, birds, herptiles, and fish, as well as cytology case studies and wet-mount cases in fish Access to video clips and additional case reports on a companion website Exotic Animal Hematology and Cytology is an essential reference for veterinary clinical pathologists, anatomic pathologists, clinicians, and technicians, as well as for veterinary students taking courses involving exotic hematology and cytology.

Proceeding of the 2nd International Conference on Tropical Agriculture Anggoro Cahyo Sukartiko 2018-12-04 This book covers the sustainable tropical agriculture, sustainable tropical animal production and health, sustainable tropical forestry, socio-economic dimension in tropical agriculture and innovative and emerging food technology and management as chapters in this book. The common challenging problems in plant, animal, and fisheries production in the

tropic are climate change, inefficiency production system, low technological innovation, decreasing environment quality, and the outbreak risk of pest and diseases.

Veterinary Epidemiology Michael Thrusfield 2018-02-19 A comprehensive introduction to the role of epidemiology in veterinary medicine This fully revised and expanded edition of *Veterinary Epidemiology* introduces readers to the field of veterinary epidemiology. The new edition also adds new chapters on the design of observational studies, validity in epidemiological studies, systematic reviews, and statistical modelling, to deliver more advanced material. This updated edition begins by offering an historical perspective on the development of veterinary medicine. It then addresses the full scope of epidemiology, with chapters covering causality, disease occurrence, determinants, disease patterns, disease ecology, and much more. *Veterinary Epidemiology, Fourth Edition*: ? Features updates of all chapters to provide a current resource on the subject of veterinary epidemiology ? Presents new chapters essential to the continued advancement of the field ? Includes examples from companion animal, livestock, and avian medicine, as well as aquatic animal diseases ? Focuses on the principles and concepts of epidemiology, surveillance, and diagnostic-test validation and performance ? Includes access to a companion website providing multiple choice questions *Veterinary Epidemiology* is an invaluable reference for veterinary general practitioners, government veterinarians, agricultural economists, and members of other disciplines interested in animal disease. It is also essential reading for epidemiology students at both the undergraduate and postgraduate levels.

Equine Dermatology - E-Book Danny W. Scott 2010-12-01 Diagnose, treat, and manage equine skin disorders with the most comprehensive reference available! With 900 full-color photos, *Equine Dermatology* covers skin diseases ranging from those that merely annoy the horse to others that interfere with the horse's ability to function in riding, working, or show. Thorough coverage includes essential basics and practical diagnostic methods, therapies, and specific abnormalities and defects. The book describes the structure and function of the skin, and discusses disorders including bacterial, fungal, parasitic, viral, protozoal, allergic, immune-mediated, endocrine, metabolic, and nutritional diseases. It also covers congenital and hereditary defects, pigmentation abnormalities, keratinization defects, environmental skin diseases, and skin tumors. Written by renowned equine dermatologists Danny Scott and Bill Miller, this all-inclusive resource covers the latest dermatologic topics and the newest therapies. Current, comprehensive coverage includes every known equine dermatosis. An emphasis on differential diagnosis includes key differentials and breed predilections for each disease, especially helpful when you have only a specimen and an incomplete history to work with. A consistent format makes it easy to locate information on each skin disorder, including a clinical description, its cause and pathogenesis, clinical features, clinical management, diagnosis, treatment, and any zoonotic aspects. Expert authors Danny W. Scott, DVM, and William H. Miller, Jr., VMD, offer years of knowledge, experience, and their vast image collections. Diagnostic tables in each chapter provide a quick reference for identifying lesions and disorders. An extensive list of references at the end of each chapter includes recommendations for further reading. New coverage of dermatologic conditions includes the latest topics and emerging disorders such as chronic progressive lymphedema, herpesvirus-2-associated dermatitis, salmonella-associated dermatoses, and nodular auricular chondropathy. Updated *Diagnostic Methods* chapter covers multiple methods of developing a differential diagnosis list based on breed, lesion type, patterns, and location. A focus on common clinical problems highlights the conditions most likely to be seen in practice. Almost 1,000 full-color photos of skin disorders make it easy to distinguish clinical characteristics and variations of normal and abnormal for accurate diagnosis and therapy.

Molecular Detection of Animal Viral Pathogens Dongyou Liu 2016-05-25 *Molecular Detection of Animal Viral Pathogens* presents expert summaries on state-of-the-art diagnostic approaches for major animal viral pathogens, with a particular emphasis on identification and differentiation at the molecular level. Written by specialists in related research areas, each chapter provides a concise overview of an individual virus

Role of Birds in Transmitting Zoonotic Pathogens Yashpal Singh Malik 2022-01-01 Zoonotic diseases pose a serious threat to global health and economy. Domestic and wild birds play crucial roles in transmission and spread of important zoonotic pathogens, with significant implications on human and avian health. Although zoonotic diseases have been extensively studied, information on various aspects of avian zoonotic pathogens have not been revisited or revised to any great extent. This book is a comprehensive and updated compilation of important zoonotic diseases that are transmitted by domestic and wild

birds, and consists of 21 chapters that meticulously describe the (i) etiology and evolution, (ii) complex epidemiology, such as migration pathways in context of disease transmission, (iii) pathogenesis, (iv) clinical signs and necropsy findings, (v) diagnostics including latest molecular assays, and (vi) preventative and control strategies, with an emphasis on therapeutics and prophylaxis, of important zoonotic pathogens (bacterial, fungal, parasitic and viral) of avian origin in humans and birds. Each chapter is aptly supported by interactive tables and figures, and features an updated reference section. This book aims to create awareness and enlighten students of veterinary and human medicine on the role of birds in zoonoses, and would serve as a useful reference for working veterinarians, human doctors, and public health experts.

Equine Infectious Diseases E-Book Debra C. Sellon 2013-10-01 Ideal for both practitioners and students, this comprehensive resource covers the diagnosis, treatment, and prevention of infectious disease in horses. Organized by infectious agent — virus, bacterial and rickettsial, protozoal, and fungal — it includes complete coverage of the individual diseases caused by each type of agent. A section on clinical problems examines conditions such as ocular infections, CNS infections, and skin infections. It also addresses the importance of preventing and controlling infectious disease outbreaks with coverage of epidemiology, biosecurity, antimicrobial therapy, and recognizing foreign equine diseases. Full-color photos and illustrations provide clear, accurate representations of the clinical appearance of infectious diseases. Features the most recent information on the global threat of newly emergent diseases such as African Horse Sickness. Includes a comprehensive section on the prevention and control of infectious diseases. More than 60 expert contributors share their knowledge and expertise in equine infectious disease. A companion CD-ROM, packaged with the book, includes complete references linked to PubMed.

Foundations of Wildlife Diseases Richard G. Botzler 2014-08-12 Foundations of Wildlife Diseases is a comprehensive overview of the basic principles that govern the study of wildlife diseases. The authors integrate theoretical foundations with a thorough examination of the factors that can affect the health and fitness of animals. They include specific information on a wide array of infectious agents such as bacteria, viruses, arthropods, fungi, protista, and helminths, as well as immunity to these agents. Also provided is a foundation for the study of noninfectious diseases, cancers, and prion diseases that affect wildlife. Supporting students, faculty, and researchers in areas related to wildlife management, biology, and veterinary sciences, this volume fills an important gap in wildlife disease resources, focusing on mammalian and avian wildlife while also considering reptiles and amphibians. Foundations of Wildlife Diseases provides students with a structure for thinking about and understanding infective agents and their interactions with wildlife. Each chapter includes an outline, select definitions and concepts, an overview and summary, and literature cited.

Anamnese en lichamelijk onderzoek bij gezelschapsdieren Faculteit Diergeneeskunde 2003 Anamnese en lichamelijk onderzoek zijn de belangrijkste pijlers voor klinisch handelen. Dit boek biedt een gedetailleerde beschrijving van de methoden die de universiteiten van Utrecht en Gent gebruiken. In de tweede druk is een hoofdstuk over reptielen toegevoegd. De beschrijvingen zijn rijk geïllustreerd. De bijgevoegde cd-rom bevat bewegende beelden van uiteenlopende handelingen en PDF-bestanden met formulieren voor het vastleggen van de onderzoeksbevindingen. Sinds de introductie in 1990 heeft het boek zijn sporen ruimschoots verdiend: vertalingen in het Duits, Engels, Spaans, Japans en Grieks zijn verschenen.

Veterinary Science James Yeates 2018-02-22 Every year billions of animals, from housecats to racehorses to pythons, are treated by veterinarians. The use of veterinary science to treat the health of animals has a long history; for the past five centuries it has developed as our understanding of animals' fundamental biology, pathology, and pharmacology has grown. Rapid global changes expected in the twenty-first century will require the profession to respond proactively, embracing new challenges and opportunities. James Yeates, Chief Veterinary Officer of the RSPCA, introduces the field of veterinary science, covering the history of its scientific and clinical aspects from early practices to recent challenges such as the outbreak of BSE and antibiotic resistance, and considering the differences between human medicine and veterinary medicine. Analyzing the key roles played by diagnosis, treatment, and prevention with regard to the health of farm animals and pets, he relates this to wider aspects concerning public health, such as zoonoses (diseases that jump from animals to humans). Yeates also covers recent "One Health" approaches involving the health of both humans and animals, seen as synergistic, and discusses the challenges for the future of veterinary medicine, including the ethical dilemmas in balancing the interests of owners and animals when they do not coincide.

ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books

are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Methods in Microbiology Charles S. Pavia 2020-05 Immunological Methods in Microbiology, Volume 47 in the Methods in Microbiology series, highlights new advances in the field, with this new volume presenting interesting chapters on Immunological Techniques in the Clinical laboratory, Immunologic Diagnosis of HIV and Opportunistic Infections, Combining Antigen Detection and Serology for the Diagnosis of Selected Infectious Diseases, Immunologic Detection of Lyme Disease and Related Borrelioses, Immunodetection of Bacteria Causing Brucellosis, Immunological Diagnostic Techniques Used to Identify and Type Pasteurella, Immunological Tests for Diarrhea caused by Diarrheogenic Escherichia coli Targeting Their Main Virulence Factors, and much more.

Advancements and Technologies in Pig and Poultry Bacterial Disease Control Neil Foster 2021-08-21 Advancements and Technologies in Pig and Poultry Bacterial Disease Control provides the most up-to-date knowledge on the tools and technologies used in the economics, prevention, monitoring and control of the most important bacterial diseases in these two important livestock species. Written by international experts in veterinary medicine, veterinary science, agricultural economics and environmental monitoring, this book provides state-of-the-art information regarding the application of technology to the prevention and control of bacterial disease in pigs and poultry. It presents the most up-to-date information on the major bacterial pathogens, why they are important, their epidemiology, pathogenesis and molecular basis of their virulence. Additional sections examine how genomic sequencing addresses the development of disease biomarkers for faster and highly specific diagnosis and how next generation sequencing can identify good and bad microflora. This book will be a valuable resource for veterinarians, epidemiologists, animal scientists, technologists, and researchers studying precision livestock farming. Students in veterinary, animal science and bio-science courses will also find it useful for its coverage of diseases and monitoring tools. Highlights crossover technologies from human to veterinary medicine, including the use of bioinformatics and genomics for disease prevention Uses results from the EU FP7-funded ProHealth project, the largest of its type ever awarded by the EU Examines how genomic analysis via next generation sequencing and microarray platforms can be exploited to develop novel biomarkers of bacterial disease in animals Reports on novel environmental monitoring tools and their use in determining disease threshold levels within herds and flocks

Laboratory Procedures for Veterinary Technicians E-Book Margi Sirois 2018-12-13 Ensure you're at your clinical best! Laboratory Procedures for Veterinary Technicians, 7th Edition covers the broad spectrum of laboratory procedures that veterinary technicians need to perform effectively in the practice setting. Comprehensive content presents the fundamentals of microbiology, hematology, urinalysis, immunology, and cytology, along with the laboratory procedures used to perform the most widely used tests such as complete blood count, urinalysis, and immunologic assays. This thoroughly updated edition includes an expanded Quality Control and Record Keeping chapter along with the latest advances in veterinary clinical procedures to prepare you for real-life laboratory work. Comprehensive coverage gives you a solid foundation in the fundamentals of microbiology, hematology, urinalysis, immunology, and cytology, along with the laboratory procedures used to perform related tests. Provides the latest information needed to successfully perform a broad spectrum of laboratory tests, including complete blood count, urinalysis, and immunologic assays. Step-by-step procedure boxes offer quick access to the skills you must perform during your educational program, as well as procedures that are commonly performed by vet techs in private practice. A comprehensive glossary of terms at the end of the text offers accurate, concise definitions. Vet Tech Threads provide you with introductions, suggested readings, boxed technician notes, learning objectives, chapter outlines, key terms, and a glossary for easy navigation through chapters and more focused learning. NEW! Completely updated content throughout reflects the latest advances in veterinary clinical laboratory procedures for improved patient service and higher practice revenue. NEW! Thoroughly updated and expanded Quality Control and Record Keeping chapter ensures you have the most current information in this vital area. UPDATED! Immunology section includes the latest information in this fast-growing veterinary technology area.

Veterinary Ophthalmology Kirk N. Gelatt 2021-02-09 Diese vollständig aktualisierte und überarbeitete Ausgabe des Standardwerks der veterinärmedizinischen Augenheilkunde präsentiert die neuesten Diagnose- und Therapieverfahren. Das Fachbuch deckt die Grundlagenwissenschaften und klinische Behandlungsmethoden ab, spiegelt den aktuellen Stand der Forschung wider und beschäftigt sich mit der Augenheilkunde sämtlicher Tierarten,

darunter Hunde, Katzen, Pferde, Großtiere und Exoten. Augenerkrankungen bei Katzen, Pferden und Vögeln werden noch ausführlicher und anhand von nahezu zweitausend Farbfotos erläutert. Dieses Fachbuch ist ein Muss für Veterinärmediziner in der Behandlung von Augenkrankheiten. - Die 6. Auflage von Veterinary Ophthalmology präsentiert alle Aspekte, die für die Diagnose, Behandlung und das Management von Augenkrankheiten relevant sind. Zu dieser Auflage gehören auch eine begleitende Website mit Videoclips und Abbildungen aus der Printausgabe im PowerPoint-Format, weiterhin das wohl umfassendste Literaturverzeichnis zu dem Fachgebiet. - Neue Auflage des Standardwerks der Augenheilkunde für Veterinärmediziner. - Bietet noch mehr Inhalte zu Augenerkrankungen bei Katzen, Pferden und Vögeln. - Mit mehr als 2000 Farbfotos, die die Inhalte verdeutlichen. - Die Autoren sind international renommierte Experten des Fachgebiets. - Begleitende Website mit Videoclips und Bildmaterial im PowerPoint-Format zum Herunterladen. Die 6. Auflage von Veterinary Ophthalmology darf in der Handbibliothek von Fachtierärzten mit Spezialisierung auf Augenheilkunde und Veterinärmedizinern, die Augenerkrankungen behandeln, nicht fehlen.

Mastitis in Dairy Cattle, Sheep and Goats Oudessa Kerro DeGo 2022-02-02 Mastitis, an inflammation of the mammary glands, is the most costly disease in dairy farming, mainly caused by a broad range of bacteria categorized into contagious and environmental bacteria. This book is a concise summary of mastitis in dairy cattle, sheep, and goats, which mainly focuses on etiological agents, epidemiology, pathogenesis, clinical manifestation, pathological and histopathological changes, diagnosis, prevention, and control measures. This book serves as a textbook on mastitis in dairy cattle, sheep, and goats for dairy veterinarians, veterinary students, animal science students, dairy technicians, animal health professionals. Several researchers worldwide contributed to this book. This book contains the latest information on mastitis in dairy cattle, sheep, and goats and antimicrobial usage to prevent and control mastitis.

Small Animal Critical Care Medicine - E-Book Deborah Silverstein 2014-09-05 Emphasizing evidence-based therapy for critically ill or injured dogs and cats, Small Animal Critical Care Medicine, 2nd Edition puts diagnostic and management strategies for common disorders at your fingertips. It covers critical care medical therapy, monitoring, and prognosis — from triage and stabilization through the entire course of acute medical crisis and intensive care treatment. To make therapeutic decisions easier, clear guidelines address underlying clinical findings, pathophysiology, outpatient follow-up, and long-term care. From lead editors Deborah Silverstein and Kate Hopper, along with a Who's Who of experts from the veterinary emergency and critical care world, this comprehensive reference helps you provide the highest standard of care for ICU patients. Over 200 concise chapters are thoroughly updated to cover all of the clinical areas needed for evaluating, diagnosing, managing, and monitoring a critical veterinary patient. More than 150 recognized experts offer in-depth, authoritative guidance on emergency and critical care clinical situations from a variety of perspectives. A problem-based approach focuses on clinically relevant details. Practical, user-friendly format makes reference quick and easy with summary tables, boxes highlighting key points, illustrations, and algorithmic approaches to diagnosis and management. Hundreds of full-color illustrations depict various emergency procedures such as chest tube placement. Appendices offer quick access to the most often needed calculations, conversion tables, continuous rate infusion determinations, reference ranges, and more. All-NEW chapters include Minimally Invasive Diagnostics and Therapy, T-FAST and A-FAST, Systemic Inflammatory Response Syndrome (SIRS), Multiple Organ Dysfunction Syndrome (MODS), Sepsis, Physical Therapy Techniques, ICU Design and Management, and Communication Skills and Grief Counseling. NEW! Coverage of basic and advanced mechanical ventilation helps you in deliver high-quality care to patients with respiratory failure. NEW! Coverage of increasingly prevalent problems seen in the Intensive Care Unit includes multidrug-resistant bacterial infections and coagulation disorders. NEW chapters on fluid therapy and transfusion therapy provide information on how to prevent complications and maximize resources. UPDATED coagulation section includes chapters on hypercoagulability, platelet function and testing, anticoagulant therapy, and hemostatic drugs.

Reindeer and Caribou Morten Tryland 2018-11-09 This book is a comprehensive presentation of health and diseases in reindeer and caribou, or just Rangifer, a key Circumarctic species with broad social and ecological value. It is an essential reference for anyone interested in the biology and health of wild or semi-domesticated reindeer and caribou, and is more broadly relevant for those with interests in other species of free-ranging and captive cervids. Beginning with a general introduction to Rangifer as a species, it then focuses on Rangifer "health" as a concept and describes the determinants of health at an individual and population level. Chapters cover a range of topics from nutrition and feeding to stress, non-infectious and infectious diseases, meat hygiene, capture and

restraint, diagnosis and treatment of health issues, and finally, potential impacts of climate change on health of Rangifer. Reindeer and Caribou: Health and Disease compiles extensive research and experience-based information on issues ranging from drug doses for chemical immobilization, blood chemistry values, and raising an orphaned calf. In addition, it contains hundreds of high quality colour illustrations that contribute to its value as a diagnostic resource for recognizing various parasites, pathogens and signs of disease, both in live and dead animals. Each chapter is followed by a comprehensive list of references and a list of contact information for all the contributors, identifying world experts in the different areas of health for this circumpolar and fascinating species. This book is compulsory reading and an indispensable resource for anyone dealing with health in reindeer and caribou, including veterinarians, wildlife biologists and managers, reindeer herders/game ranchers, zoological husbandry personnel, and students with wildlife health.

Veterinary Technician and Nurse's Daily Reference Guide Mandy Fults 2022-01-19 The revised and expanded new edition of this classic reference to daily skills used by veterinary technicians Veterinary Technician and Nurse's Daily Reference Guide: Canine and Feline provides rapid access to the information veterinary technicians need in clinical practice. With an easy-to-use tabular format, the book covers diagnostic and patient care skills, diseases and conditions, preventive care, anatomy, anesthesia, and all other major areas of veterinary technician education and training. Chapters written by experienced veterinary specialists integrate charts, tables, and concise explanatory text to enable quick and efficient retrieval of information. Focusing on practical skills and knowledge, the fourth edition features extensively revised material incorporating the latest developments, evidence-based guidelines, and best practices in veterinary medicine. Brand-new chapters describe licensure and certifications in veterinary technology and discuss nursing theory and science and its relation to veterinary nursing. Expanded and updated coverage includes novel therapeutics in dermatology, vaccination standards, pain assessment and management, stress-free handling and nursing care strategies, RECOVER CPR guidelines, and more. Equally useful in the classroom and in the clinic, this popular quick-reference guide: Provides new and updated content, including coverage of advancements in diagnostic capabilities and of pharmacologic agents used in treatment and management of disease states Contains hundreds of clear illustrations and high-quality photographs Includes a comprehensive table of contents in each chapter Features a companion website with forms and worksheets, self-review questions, vocabulary flashcards, links to online resources, and PowerPoint slides Veterinary Technician and Nurse's Daily Reference Guide: Canine and Feline, Fourth Edition remains an invaluable resource for both student and practicing veterinary technicians and nurses of all skill and experience levels.

Equine Ophthalmology Brian C. Gilger 2022-05-10 Equine Ophthalmology A comprehensive reference covering all aspects of equine ophthalmology, perfectly suited to general practitioners and equine specialists alike The newly revised Fourth Edition of Equine Ophthalmology delivers a complete and authoritative guide to all aspects of equine ophthalmology. The book offers updated procedures, protocols, and therapeutics, with even more images. It features a reader-friendly tabular format focusing on frontline treatment and is aimed at all equine practitioners, from first opinion general practitioners to equine ophthalmologists. Readers will also find: A thorough introduction to ophthalmic examination and field techniques, as well as advanced ophthalmic imaging Practical discussions with the latest treatments for diseases and surgeries of the globe, orbit, adnexa, nasolacrimal system, cornea, lens, uvea, uveitis, and recurrent uveitis In-depth examinations of glaucoma, vision, neuro-ophthalmology, systemic disease, and national and international regulations on ophthalmic disease and medications Comprehensive review of inherited ocular disorders Equine Ophthalmology, Fourth Edition, is an essential reference for any practitioner treating ocular conditions in equine patients.

Meat Inspection and Control in the Slaughterhouse Thimjos Ninios 2014-06-11 Meat inspection, meat hygiene and official control tasks in the slaughterhouse have always been of major importance in the meat industry, and are intimately related with animal diseases and animal welfare. The history of meat inspection has largely been a success story. Huge steps have been taken over more than a century to prevent the transmission of pathogenic organisms and contagious diseases from animals to humans. Various factors influence the quality and safety of meat including public health hazards (zoonotic pathogens, chemical substances and veterinary drugs), animal health and welfare issues during transport and slaughter. Meat inspection is one of the most important programs in improving food safety, and its scope has enlarged considerably over the last decades. Globalization has affected the complexity of the modern meat chain and has provided possibilities for food fraud and unfair competition. During the last two decades many food fraud cases have been reported, which have caused

concern among consumers and the industry. Subsequently meat inspection is faced with new challenges. Meat Inspection and Control in the Slaughterhouse is an up-to-date reference book that responds to these changes and reflects the continued importance of meat inspection for the food industry. The contributors to this book are all international experts in the areas of meat inspection and the official controls limited to slaughterhouses, providing a rare insight into the international meat trade. This book will be of importance to students, professionals and members of the research community worldwide who aim to improve standards of meat inspection procedures and food safety.

Current Topics in Occupational Epidemiology Katherine Venables 2013-07-25 Current Topics in Occupational Epidemiology is an in-depth study of the contemporary issues and emerging themes in the field. Divided into nine sections the book discusses how traditional methods can be used to study new" occupational diseases such as epidemiological studies of older workers, and aid understanding of the "older" topics including morbidity and mortality among coal workers. Trends in society have allowed occupational epidemiological methods to be expanded to cover issues such as the ageing workforce, return to work after illness, and the migration of workers. These issues as well as new data sources such as surveillance systems are discussed in topic specific chapters. Written by leading international experts in the field, Current Topics in Occupational Epidemiology provides a comprehensive look at the current areas of interest and will be essential reading for epidemiologists, statisticians, exposure assessment scientists, physicians, and policymakers."

Rebhun's Diseases of Dairy Cattle - E-Book Simon Peek 2018-02-01 Diagnose and treat bovine diseases in cattle with Rebhun's Diseases of Dairy Cattle, 3rd Edition — your all-in-one guide to bovine disease management. Organized by body system for quick, convenient reference, this complete resource equips practitioners and students with the knowledge needed to confidently diagnose, treat, and prevent bovine disease. All chapters are updated from the previous edition to reflect the most up-to-date diagnostics and therapeutics, including revised drug usage considerations. An entirely new chapter for this third edition provides easy-to-read, but detailed information on diagnostic laboratory sample submission so that you will know what tests are available and the proper samples to submit. Another entirely new chapter focuses on diseases of the bull. More color photographs and illustrations are provided so that clinical signs and pathology of the diseases and diagnostic procedures commonly used in practice can be visualized. With expanded coverage of herd diseases, this new edition meets the growing need for management of both diseases of individual cows and medical problems affecting whole herds. Practical overviews for procedures such as blood transfusion, abdominal paracentesis, and ECG give you reliable support for some of the most common procedures in bovine care. A logical and user-friendly body systems organization makes diagnosis easier and more effective by isolating system-specific diseases and conditions. Additional public health/safety considerations identify diseases that pose a substantial public threat and detail special measures for related care of dairy cattle. Addresses the latest treatment innovations, including: antibiotic residue testing, care of individual metabolic disease, troubleshooting, and much more. Expanded, up-to-date coverage of public health/food safety considerations for practitioners helps to prevent dangerous and costly errors. Current legal and practical considerations for extra label medications are outlined, and all recommendations for drug usage have been revised according to federal guideline changes, to help ensure that you are familiar with the latest evidence-based guidelines. NEW! All-new chapter covering diseases specific to or common in the dairy bull offers valuable new content that makes this the most comprehensive resource for veterinary students and practitioners. NEW! A companion website, hosted by Cornell University with more than 60 neurologic, ultrasound, and endoscopic case study videos, illustrates key concepts discussed throughout the book and brings to life a variety of techniques that are more easily visualized than described in print. UPDATED! Expanded coverage of herd health features diseases of individual cows, as well as problems affecting entire herds, that challenge today's large animal veterinarians. NEW! Emphasis on herd health addresses the dairy industry's increased concern over population medicine. UPDATED! Revised drug usage recommendations and legal considerations present the most current information in these critical areas to help you prevent dangerous or costly errors.

Veterinary Microbiology D. Scott McVey 2013-08-05 Veterinary Microbiology Veterinary Microbiology, Third Edition is a comprehensive reference on the bacterial, fungal, and viral pathogenic agents that cause animal disease. Now in full color with improved images throughout, the new edition has been thoroughly updated to reflect information from current research and diagnostic and clinical publications. Key changes include a review of microbial cell structure and function and increased emphasis on the key points of pathogenesis and host responses to infection. Organized into four sections, the third

edition begins with an updated and expanded introductory section on infectious disease pathogenesis, diagnosis, and clinical management. The second section covers bacterial and fungal pathogens, and the third section describes viral diseases and viruses. The final section presents a systematic approach of describing infection and disease of animals. Equally useful for beginning veterinary students and seasoned practitioners, *Veterinary Microbiology* offers a thorough introduction and reference text for veterinary infectious disease. **KEY FEATURES** Provides a broad overview of veterinary microbiology and infectious disease Now in full color with improved images throughout Fully updated to incorporate current research Offers a brief review of microbial cell structure and function with an increased emphasis on pathogenesis Takes a comparative approach to describing both differences and similarities of diseases across many affected species Includes access to a companion website offering the review questions, answers, and figures for download in PowerPoint at www.wiley.com/go/mcvey/microbiology

Insights Into Drug Resistance in Staphylococcus aureus 2021-12-08 *Staphylococcus aureus* is a coccus, gram-positive, non-spore forming, and non-motile bacterium. Its commensal and opportunistic capabilities make it able to colonize different sites of animals and humans. Resistance to antibiotics has resulted in development of new strains and new types within strains. Types of methicillin-resistant *S. aureus* (MRSA) include hospital-acquired MRSA (HA-MRSA), community-acquired MRSA (CA-MRSA), and livestock-acquired MRSA (LA-MRSA). There are also new strains like vancomycin-resistant *S. aureus* (VRSA) and vancomycin-intermediate *S. aureus* (VISA). Expansion in resistance is expected to give rise to newer strains resistant to antibiotics such as macrolide (erm gene), tetracycline (tet genes), mupirocin (mupR), and fusidic acid (fusD). Alternative approaches like nanoparticles, bacteriophages, phytochemicals, and more are required to tackle this pathogen. This book contains information on epidemiology, resistance mechanisms, and alternative ways to curtail *S. aureus* infection, as well as future research opportunities.

Atlas van de farmacologie Heinz Lüllmann 2005

In het spoor van ebola Guido van der Groen 2015-09-09 De ontdekker van ebola over veertig jaar virusjagen Midden jaren zeventig ontdekt Guido van der Groen een uiterst dodelijk virus: ebola. Veertig jaar later zaait het virus opnieuw paniek in West-Afrika. Hoe kan het dat het virus vandaag ogenschijnlijk niet tegen te houden is? Had de epidemie voorkomen kunnen worden, en moeten we vrezen voor een pandemie zonder weerga? Om deze vragen te beantwoorden keert Guido van der Groen, internationaal gereputeerd virusjager, terug naar het prille begin. Hij was getuige van de eerste outbreak in Yambuku en volgde het dodelijke virus veertig jaar op de voet. Een aartsmoeilijke en gevaarlijke opdracht, die bemoeilijkt werd door de Koude Oorlog, bloedschandalen en erbarmelijke onderzoeksomstandigheden. Het resultaat is een ongemeen spannend boek dat kritische kanttekeningen plaatst bij de huidige pandemiepsychose en over heden aanmaant te investeren in duurzame oplossingen.

Concise Review of Veterinary Microbiology P. J. Quinn 2015-10-12 Updated to reflect the latest developments in the field, "Concise Review of Veterinary Microbiology, Second Edition," presents essential information on veterinary microbiology for students and those requiring a refresher on key topics relating to microbial diseases in animals. Morphological, cultural and other descriptive features of pathogenic microorganisms are described, together with their habitats and aetiological roles in disease production in animals and, where appropriate, in the human population. Key features There are five sections covering bacteriology, mycology, virology, biosecurity and other aspects of infectious diseases Provides concise, yet comprehensive information on pathogenic microorganisms of importance in veterinary medicine, the diseases which they cause, their diagnosis and control The 79 short chapters in this book include 13 new chapters on antibacterial resistance, structure and function of the immune system, antifungal chemotherapy, antiviral chemotherapy, principles of biosecurity and a number of topics related to the control and prevention of infectious diseases This latest edition uses updated nomenclature and includes detailed diagrams now in full colour, as well as comprehensive tables Provides veterinary students, veterinary technician and nursing students, and practitioners alike with an essential resource for the review of all aspects of veterinary microbiology.

Clostridial Diseases of Animals Francisco A. Uzal 2016-05-31 *Clostridial Diseases of Animals* is the first book to focus on clostridial diseases in domestic and wild animals, offering a comprehensive reference on these common diseases. Emphasizing clinical applications, the book offers a complete, in-depth examination of clostridial disease, from pathogenesis, pathology, and microbiology to diagnostic techniques, clinical management, and treatment. Combining

pathology and microbiology, a highlight of the book is the high-quality clinical photographs, which are valuable for recognizing disease patterns. The book begins with sections on the pathogenic clostridia and the toxins produced, then covers specific diseases produced by the pathogenic clostridia. Clostridial Diseases of Animals summarizes current understanding of clostridial diseases and discusses important areas of diagnostic uncertainty, making it an essential reference for veterinary clinicians, diagnosticians, pathologists, microbiologists, students, and governmental agencies. Key features Provides a single resource for all aspects of clostridial diseases Presents current, comprehensive information with a focus on clinical relevance Covers each disease in depth, including etiology, epidemiology, clinics, gross pathology, histopathology, diagnostics, diagnostic criteria, prophylaxis, control, and treatment Written by the world-leading experts in the field of clostridial diseases in animals Offers photographs and summary tables to support the concepts discussed in the text and aid in recognition

The Dog Breeder's Guide to Successful Breeding and Health Management E-Book Margaret V. Root Kustritz 2006-01-18 This unique resource offers a general overview of canine body systems and how each system affects the breeding process. Key topics include nutrition, pharmacology, microbiology, parasitology, vaccinations, genetics, and endocrinology, as well as normal anatomy and disorders of the male and female reproductive systems. Full-color illustrations make important information more readily available and provide more accurate representations of actual clinical appearance. Each chapter begins with frequently asked questions and answers, offering quick and easy access to key information. Each chapter ends with a Test Your Understanding section that encourages readers to review what they have just read and apply it to real-life situations. A first aid appendix offers quick access to information related to various emergencies, including what could have caused it, and how to handle the situation. An appendix covering common problems seen in dogs lists symptoms associated with each problem, the possible causes, and how frequently the problem occurs.

Veterinary Infection Prevention and Control Linda Caveney 2011-11-15 "Veterinary Infection Prevention and Control" is a practical guide to infection surveillance and control in the veterinary setting. The book outlines the steps for designing and implementing an infection control plan and offers information on both nosocomial infections and zoonotic diseases to aid the veterinary team in ensuring that veterinary practices and hospitals are safe for both the animal patients and their human caregivers. "Veterinary Infection Prevention and Control" provides guidelines to creating standard operating procedures for effective and efficient infection control in any veterinary practice. With background information on pathogens, bacteria, and disease transmission, the book focuses on specific infection prevention strategies, including disinfection, sterilization, and isolation. A companion website includes access to review questions and answers, figures from the book, and additional resources. Veterinary Infection Prevention and Control gives practicing veterinarians, technicians, and practice managers in both small and large animal facilities the tools they need to successfully develop an infection-control program. Key Features Offers practical guidance on designing and implementing an infection control plan Covers infection surveillance and control in small and large animal facilities Encompasses both nosocomial infections and zoonotic diseases Provides standard operating procedures for effective and efficient infection control Focuses on specific infection prevention strategies, such as cleaning skills, disinfecting techniques, and equipment processing Includes a companion website with review questions and answers, figures from the book, and additional resources available for download at www.wiley.com/go/caveney

Infectious Diseases of the Dog and Cat - E-Book Jane E. Sykes 2013-09-27 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.

IMDC-SDSP 2020 Raed Abd-Alhameed 2020-09-09 IMDC-SDSP conference offers an exceptional platform and opportunity for practitioners, industry experts, technocrats, academics, information scientists, innovators, postgraduate students, and research scholars to share their experiences for the advancement of knowledge and obtain critical feedback on their work. The timing of this conference coincides with the rise of Big Data, Artificial Intelligence powered applications, Cognitive Communications, Green Energy, Adaptive Control and Mobile Robotics towards maintaining the Sustainable Development and Smart Planning and management of the future technologies. It is aimed at the knowledge generated from the integration of the different data sources related to a number of active real-time applications in supporting the smart planning and enhance and sustain a healthy environment. The conference also covers the rise of the digital health, well-being, home care, and patient-centred era for the benefit of patients and healthcare providers; in addition to how supporting the development of a platform of smart Dynamic Health Systems and self-management.

High-Quality, High-Volume Spay and Neuter and Other Shelter Surgeries Sara White 2020-01-03 This comprehensive reference provides veterinarians with everything they need to know about performing surgeries such as spaying and neutering in busy animal shelters. It includes surgical and anesthetic techniques, perioperative procedures, reproductive medicine, and program management regarding dogs, cats, rabbits, and other small mammals. With more than 550 full-color images, High-Quality, High-Volume Spay and Neuter and Other Shelter Surgeries provides spay-neuter and shelter veterinarians with information on the most current clinical techniques. Dozens of veterinary experts offer their expert advice and knowledge on perioperative care, surgery instrumentation, infectious disease control, anesthesia protocols, CPR, the fundamentals of HGHVSN, and more. Covers all aspects of common shelter surgeries, including surgical and anesthetic techniques, perioperative procedures, reproductive medicine, and program management Provides coverage of dogs, cats, rabbits, and other small mammals Written by leaders in the field with experience in surgery, medicine, spay-neuter practice, teaching, and research High-Quality, High-Volume Spay and Neuter and Other Shelter Surgeries is an excellent resource for veterinarians, veterinary technicians, and students, as well as clinic and shelter owners.

Antimicrobial growth promoters D. Barug 2006-03-20 It is widely acknowledged that the inclusion of antimicrobial growth promoters (AGPs) in the diet of livestock increases growth rate. However, many questions arise on whether the benefits outweigh the risks, or vice versa. Recent legislative developments in the European Union and USA, recommendations by the World Health Organization, initiatives taken by the food chain, and consumer concerns all point to a widespread (voluntary) removal of antibiotic feed additives for animal growth promotion. In particular, Regulation (EC) 1831/2003 lays down provisions phasing out the authorisations of AGPs in the European Union as from 1 January 2006. This book discusses how this will affect the use/non-use practice of AGPs. Attention is given to the current status and rational design of developments and strategies for animal feeding without the inclusion of AGPs. Topics covered include benefits and risks of AGPs, risk assessment, consumer concerns and demands, regulatory aspects and international developments, mode of action and innovative alternatives, and recent advances in the analysis of AGPs and related products. This book contains peer-reviewed papers presented at the international conference "Antimicrobial Growth Promoters: Worldwide Ban on the Horizon?". The book is filled with valuable information on the pros and

cons of use of AGPs as well as on alternative nutritional solutions. It is aimed at professionals and researchers in the feed and food industry.

Genital Infections and Infertility Atef Darwish 2016-06-29 This book highlights the impact of genital tract infections on female infertility, male infertility, and even veterinary infertility. A comprehensive source on genital infections essential for all infertility specialists is now at your hands.

Antimicrobial Resistance Maria Cristina Ossiprandi 2015-11-26 Antibiotic resistance has become a worldwide health issue, globally recognized as the first priority by WHO. Many forms of resistance can spread with remarkable speed and cross international boundaries. World health leaders are devoting efforts to the problem by planning strategies for monitoring the effectiveness of public health interventions and detecting new trends and threats. This volume focuses on the problem from different perspectives, taking into consideration geographical dissemination (soil and water), human medicine (methicillin-resistant *Staphylococcus aureus* and *Klebsiella pneumoniae*) and veterinary (*Enterococcus* spp.) impact and molecular analysis. The purpose of this volume is to provide a useful tool for control and prevention and to discuss useful epidemiological data concerning ways of obtaining an accurate picture of resistance in different communities.

Veterinary Microbiology and Microbial Disease P. J. Quinn 2011-10-17 Microbiology is one of the core subjects for veterinary students, and since its first publication in 2002, Veterinary Microbiology and Microbial Disease has become an essential text for students of veterinary medicine. Fully revised and expanded, this new edition updates the subject for pre-clinical and clinical veterinary students in a comprehensive manner. Individual sections deal with bacteriology, mycology and virology. Written by an academic team with many years of teaching experience, the book provides concise descriptions of groups of microorganisms and the diseases which they cause. Microbial pathogens are discussed in separate chapters which provide information on the more important features of each microorganism and its role in the pathogenesis of diseases of animals. The international and public health significance of these pathogens are reviewed comprehensively. The final section is concerned with the host and is organized according to the body system affected. Tables, boxes and flow diagrams provide information in an easily assimilated format. This edition contains new chapters on molecular diagnostics and on infectious conditions of the skin, cardiovascular system, urinary tract and musculoskeletal system. Many new colour diagrams are incorporated into this edition and each chapter has been updated. Key features of this edition: Twelve new chapters included Numerous new illustrations Each chapter has been updated Completely re-designed in full colour Fulfils the needs of veterinary students and academics in veterinary microbiology Companion website with figures from the book as Powerpoints for viewing or downloading by chapter: www.wiley.com/go/quinn/veterinarymicrobiology Veterinary Microbiology and Microbial Disease remains indispensable for all those studying and teaching this essential component of the veterinary curriculum.

Veterinary Embryology T. A. McGeary 2017-02-02 Veterinary Embryology, 2nd Edition, has been updated to reflect the many changes that have developed in the field; the text has been fully revised and expanded and is now in full colour and many pedagogical features and a companion website have been developed. A new edition of this highly successful student textbook, updated to reflect the latest developments in the field of embryology, with the inclusion of four new chapters Written by a team of authors with extensive experience of teaching this subject Short concise chapters on key topics describe complex concepts in a user-friendly way Additional tables, flow diagrams and numerous hand-drawn illustrations support the concepts presented in the text