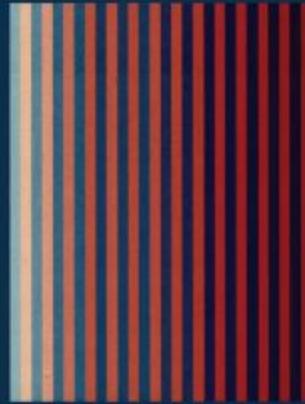


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Reproductive Pathology of Domestic Mammals



Kenneth McEntee

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Reproductive Pathology of Domestic Mammals-Mark McEntee
2012-12-02 This book evolved from a series of lectures and laboratories given by Dr. Kenneth McEntee to students at Cornell University, the University of Illinois, and Tufts University and is based on tissues from over 20,000 cases of reproductive disease in the International Registry of Reproductive Pathology, founded by Dr. McEntee. Dr. McEntee brings into sharp focus what is known of reproductive pathology in North America and abroad. His book will be an invaluable text and reference for those working on the diagnosis, prevention, and treatment of reproductive failures of all kinds. The only comprehensive text on reproductive pathology of domestic mammals Based on pathologic examination of more than 20,000 cases of reproductive disease Covers clinical aspects of disease and associated lesions Extensive reference list includes citations in twelve languages

Reproductive Pathology of Domestic Mammals-Kenneth McEntee
1990-01-01 Embryology of the reproductive organs; Intersexes; The ovary; Cysts in and around the ovary; Ovarian neoplasms; The uterine tube; The uterus: anatomy; The uterus; congenital anomalies; The uterus: normal postpartum involution; The uterus: Degenerative and inflammatory lesion; The uterus: atrophic, metaplastic, and proliferative lesions; Cervix, vagina, and vulva; ...

Pathology of Domestic Animals-K. V. F. Jubb 2013-10-02 Pathology of Domestic Animals, Volume 1 elaborates on the bone structure and diseases, as well as the genital, circulatory, and respiratory systems, of domestic animals. The manuscript first offers information on bones, joints, and synovial structures and diseases of joints, including adaptational deformities of the skeleton, metabolic diseases of bones, necrosis and inflammation of bones, and discontinuities of bone and the healing of fractures. The text then ponders on the circulatory and respiratory systems. Discussions focus on congenital anomalies of the heart and large vessels, myocardium, hypertrophy and dilation of the heart, pharynx and guttural pouches, larynx and trachea, lungs, and pleura and mediastinum. The publication examines the haemopoietic system and endocrine glands. Topics include blood and bone marrow, general reactions of erythrocytes to injury, lymphoreticular tissues, adrenal glands and paraganglia, and polycythaemia. The book then reviews the male and female genital systems. The manuscript is a valuable source of data for readers interested in the pathology of domestic animals.

Pathology of Domestic Animals-K. V. F. Jubb 2007 Rev ed. of: Pathology of domestic animals / K.V.F. Jubb, Peter C. Kennedy, Nigel Palmer. 4th ed. c1993.

Pathology of Wildlife and Zoo Animals-Karen A. Terio 2018-10-08

Pathology of Wildlife and Zoo Animals is a comprehensive resource that covers the pathology of wildlife and zoo species, including a wide scope of animals, disease types and geographic regions. It is the definitive book for students, biologists, scientists, physicians, veterinary clinicians and pathologists working with non-domestic species in a variety of settings. General chapters include information on performing necropsies, proper techniques to meet the specialized needs of forensic cases, laboratory diagnostics, and an introduction into basic principles of comparative clinical pathology. The taxon-based chapters provide information about disease in related groups of animals and include descriptions of gross and histologic lesions, pathogenesis and diagnostics. For each group of animals, notable, unique gross and microscopic anatomical features are provided to further assist the reader in deciding whether differences from the domestic animal paradigm are "normal." Additional online content, which includes text, images, and whole scanned glass slides of selected conditions, expands the published material resulting in a comprehensive approach to the topic. Presents a single resource for performing necropsies on a variety of taxa, including terrestrial and aquatic vertebrates and invertebrates Describes notable, unique gross and microscopic anatomical variations among species/taxa to assist in understanding normal features, in particular those that can be mistaken as being abnormal Provides consistent organization of chapters with descriptions of unique anatomic features, common non-infectious and infectious diseases following brief overviews of the taxonomic group Contains full-color, high quality illustrations of diseases Links to a large online library of scanned slides related to topics in the book that illustrate important histologic findings

Clinical Biochemistry of Domestic Animals-J. J. Kaneko 2014-05-10

Clinical Biochemistry of Domestic Animals, Second Edition, Volume I, is a major revision of the first edition prompted by the marked expansion of knowledge in the clinical biochemistry of animals. In keeping with this expansion of knowledge, this edition is comprised of two volumes. Chapters on the pancreas, thyroid, and pituitary-adrenal systems have been separated and entirely rewritten. Completely new chapters on muscle metabolism, iron metabolism, blood clotting, and gastrointestinal function

have been added. All the chapters of the first edition have been revised with pertinent new information, and many have been completely rewritten. This volume contains 10 chapters and opens with a discussion of carbohydrate metabolism and associated disorders. Separate chapters follow on lipid metabolism, plasma proteins, and porphyrins. Subsequent chapters deal with liver, pancreatic, and thyroid functions; the role of the pituitary and adrenal glands in health and disease; the function of calcium, inorganic phosphorus, and magnesium metabolism in health and disease; and iron metabolism.

Reference Materials for Members of Animal Care and Use

Committees-D'Anna J. B. Jensen 1991

Jubb, Kennedy & Palmer's Pathology of Domestic Animals - E-Book:

3-Volume Set-Grant Maxie 2015-08-14 With an emphasis on the disease conditions of dogs, cats, horses, swine, cattle and small ruminants, Jubb, Kennedy, and Palmer's Pathology of Domestic Animals, 6th Edition continues its long tradition of being the most comprehensive reference book on common domestic mammal pathology. Using a body systems approach, veterinary pathology experts provide overviews of general system characteristics, reactions to insult, and disease conditions that are broken down by type of infectious or toxic insult affecting the anatomical subdivisions of each body system. The sixth edition now boasts a new full-color design, including more than 2,000 high-resolution images of normal and abnormal organs, tissues, and cells. Updated content also includes evolved coverage of disease agents such as the Schmallenberg virus, porcine epidemic diarrhea virus, and the porcine deltacoronavirus; plus new information on molecular-based testing, including polymerase chain reaction (PCR) and in-situ hybridization, keep you abreast of the latest diagnostic capabilities. Updated content includes new and evolving pathogens and diagnostic techniques. Updated bibliographies give readers new entry points into the rapidly expanding literature on each subject. NEW! High-resolution color images clearly depict the diagnostic features of hundreds of conditions. NEW! Introduction to the Diagnostic Process chapter illustrates the whole animal perspective and details the approaches

to systemic, multi-system, and polymicrobial disease. NEW! Coverage of camelids is now included in the reference's widened scope of species. NEW! Team of 30+ expert contributors offers the latest perspective on the continuum of issues in veterinary pathology. NEW! Expanded resources on the companion website include a variety of helpful tools such as full reference lists with entries linked to abstracts in Pub Med and bonus web-only figures. NEW! Full-color design improves the accessibility of the text.

Current Catalog-National Library of Medicine (U.S.) 1991 First multi-year cumulation covers six years: 1965-70.

Environmental Health Perspectives- 1993

Jubb, Kennedy & Palmer's Pathology of Domestic Animals - E-BOOK:-

Grant Maxie 2015-08-16 With an emphasis on the disease conditions of dogs, cats, horses, swine, cattle and small ruminants, Jubb, Kennedy, and Palmer's Pathology of Domestic Animals, 6th Edition continues its long tradition of being the most comprehensive reference book on common domestic mammal pathology. Using a body systems approach, veterinary pathology experts provide overviews of general system characteristics, reactions to insult, and disease conditions that are broken down by type of infectious or toxic insult affecting the anatomical subdivisions of each body system. The sixth edition now boasts a new full-color design, including more than 2,000 high-resolution images of normal and abnormal organs, tissues, and cells. Updated content also includes evolved coverage of disease agents such as the Schmallenberg virus, porcine epidemic diarrhea virus, and the porcine deltacoronavirus; plus new information on molecular-based testing, including polymerase chain reaction (PCR) and in-situ hybridization, keep you abreast of the latest diagnostic capabilities. "a core text in veterinary pathology" Reviewed by: Alexander Stoll, on behalf of Wikivet, November 2015 Updated content includes new and evolving pathogens and diagnostic techniques. Updated bibliographies give readers new entry points into the rapidly expanding literature on each subject. NEW! High-resolution color images clearly depict the diagnostic features of hundreds of conditions.

NEW! Introduction to the Diagnostic Process chapter illustrates the whole animal perspective and details the approaches to systemic, multi-system, and polymicrobial disease. NEW! Coverage of camelids is now included in the reference's widened scope of species. NEW! Team of 30+ expert contributors offers the latest perspective on the continuum of issues in veterinary pathology. NEW! Expanded resources on the companion website include a variety of helpful tools such as full reference lists with entries linked to abstracts in Pub Med and bonus web-only figures. NEW! Full-color design improves the accessibility of the text.

Shuffling Nags, Lame Ducks-László Bartosiewicz 2013-11-01 The analysis of animal bone assemblages from archaeological sites provides much valuable data concerning economic and husbandry practices in the past, as well as insights into cultural and symbolic or ritual activity. Animal palaeopathology can identify diseases in archaeozoological assemblages but little interest has been expressed in investigating and understanding the cultural aspects of the diseases identified. Such assemblages represent the cumulative effects of human attitudes, decisions and influences regarding the keeping, care, treatment, neglect and exploitation of animals which result in a range of conditions, non-infectious diseases and injuries that can be recognised on ancient skeletal material. Additionally, ever since the domestication of a handful of animal species around 10,000 years ago, close physical proximity has been a mutual source of infectious disease and traumatic injury for humans and animals alike. Shuffling Nags, Lame Ducks provides an invaluable guide to the investigation of trauma and disease in archaeozoological assemblages. It provides a clear methodological approach, and describes and explains the wide range of traumatic lesions, infections, diseases, inherited disorders and other pathological changes and anomalies that can be identified. In so doing, it explores the impact that [man-made] decisions have had on animals, including special aspects of culture that may be reflected in the treatment of diseased or injured animals often incorporating powerful symbolic or religious roles, and seeks to enhance our understanding of the relationship between man and beast in the past. Chapters include: · History of studying pathological animal remains · Differences between human and animal palaeopathology · Methodology · Growth, development and ageing · Traumatic lesions · Inflammatory diseases and bone · Pathological lesions in working animals ·

Diseases connected to the environment

Reproductive and Developmental Toxicology-Ramesh C. Gupta 2017-03-24 Reproductive and Developmental Toxicology, Second Edition, is a comprehensive and authoritative resource that provides the latest literature on this complex subject with a primary focus on three core components—parent, placenta, and fetus—and the continuous changes that occur in each. Enriched with relevant references describing every aspect of reproductive toxicology, this revised and updated resource addresses the totality of the subject, discussing a broad range of topics, including nanoparticles and radiation, gases and solvents, smoking, alcohol and drug abuse, and metals, amongst others. With a special focus on placental toxicity, this book is the only available reference to connect the three key risk stages, also including discussions on reproductive and developmental toxicity in domestic animals, fish, and wildlife. Completely revised and updated to include the most recent developments in the field, the book is an essential resource for advanced students and researchers in toxicology, as well as biologists, pharmacologists, and teratologists from academia, industry, and regulatory agencies. Provides a complete, up-to-date, integrated source of information on the key risk stages during reproduction and development Includes new chapters covering significant developments, such as dose-response assessment for developmental toxicity, juvenile toxicity, and neural tube defects, as well as emerging science, such as stem cell application, toxicoproteomics, metabolomics, endocrine disruption, surveillance and regulatory considerations, and risk assessment Offers diverse and unique in vitro and in vivo toxicity models for reproductive and developmental toxicity testing in a user-friendly format that assists in comparative analysis

Reproduction in Farm Animals-E. S. E. Hafez 2013-05-13 When you're looking for a comprehensive and reliable text on large animal reproduction, look no further! the seventh edition of this classic text is geared for the undergraduate student in Agricultural Sciences and Veterinary Medicine. In response to reader feedback, Dr. Hafez has streamlined and edited the entire text to remove all repetitious and nonessential material. That means you'll learn more in fewer pages. Plus the seventh editing is filled with

features that help you grasp the concepts of reproduction in farm animals so you'll perform better on exams and in practice: condensed and simplified tables, so they're easier to consult an easy-to-scan glossary at the end of the book an expanded appendix, which includes graphic illustrations of assisted reproduction technology Plus, you'll find valuable NEW COVERAGE on all these topics: Equine Reproduction: expanded information reflecting today's knowledge Llamas (NEW CHAPTER) Micromanipulation of Gametes and In Vitro Fertilization (NEW CHAPTER!) Reach for the text that's revised with the undergraduate in mind: the seventh edition of Hafez's Reproduction in Farm Animals.

Medical and Veterinary Entomology-Gary R. Mullen 2009-04-22 Medical and Veterinary Entomology, Second Edition, has been fully updated and revised to provide the latest information on developments in entomology relating to public health and veterinary importance. Each chapter is structured with the student in mind, organized by the major headings of Taxonomy, Morphology, Life History, Behavior and Ecology, Public Health and Veterinary Importance, and Prevention and Control. This second edition includes separate chapters devoted to each of the taxonomic groups of insects and arachnids of medical or veterinary concern, including spiders, scorpions, mites, and ticks. Internationally recognized editors Mullen and Durden include extensive coverage of both medical and veterinary entomological importance. This book is designed for teaching and research faculty in medical and veterinary schools that provide a course in vector borne diseases and medical entomology; parasitologists, entomologists, and government scientists responsible for oversight and monitoring of insect vector borne diseases; and medical and veterinary school libraries and libraries at institutions with strong programs in entomology. Follows in the tradition of Herm's Medical and Veterinary Entomology The latest information on developments in entomology relating to public health and veterinary importance Two separate indexes for enhanced searchability: Taxonomic and Subject New to this edition: Three new chapters Morphological Adaptations of Parasitic Arthropods Forensic Entomology Molecular Tools in Medical and Veterinary Entomology 1700 word glossary Appendix of Arthropod-Related Viruses of Medical-Veterinary Importance Numerous new full-color images, illustrations and maps throughout

Veterinary Reproduction and Obstetrics-Geoffrey Herbert Arthur 1977

The oestrous cycle and its controls, The development of the conceptus, Pregnancy and its detection in the mare, Pregnancy and its detection in the cow, Pregnancy diagnosis in the sow, ewe and bitch, Anomalies of development of the conceptus, Prolapse of the vagina, Parturition, The care of parturient animals and the newborn:the puerperium, Dystocia:general considerations, Maternal dystocia, Fetal dystocia:aetiology and incidence, The approach to an obstetrical case, Manipulative delivery per vaginam:farm animals and the bitch, Dystocia due to fetal oversize, Dystocia due to defects of position or presentation, Dystocia due to twins or monstrosities, Injuries and diseases incidental to parturition, The caesarean operation, Caesarean operations in the bitch and cat, Retention of the fetal membranes, Postparturient prolapse of the uterus, Infertility in the cow:general, anatomical and functional, Infectious forms of infertility in cattle, The veterinary control of herd infertility, Sheep infertility, Infertility in the mare, Swine infertility, Infertility in the bitch and cat, The normal sexual apparatus of male animals, Reproductive abnormalities of male animals, Artificial insemination.

Animal Models and Human Reproduction-Heide Schatten 2017-01-13

Our knowledge of reproductive biology has increased enormously in recent years on cellular, molecular, and genetic levels, leading to significant breakthroughs that have directly benefitted in vitro fertilization (IVF) and other assisted reproductive technologies (ART) in humans and animal systems. Animal Models and Human Reproduction presents a comprehensive reference that reflects the latest scientific research being done in human reproductive biology utilizing domestic animal models. Chapters on canine, equine, cow, pig, frog, and mouse models of reproduction reflect frontier research in placental biology, ovarian function and fertility, non-coding RNAs in gametogenesis, oocyte and embryo metabolism, fertilization, cryopreservation, signal transduction pathways, chromatin dynamics, epigenetics, reproductive aging, and inflammation. Chapters on non-human primate models also highlight recent advancements into such issues as human in vitro fertilization (IVF) and assisted reproductive technologies (ART). This book offers animal scientists, reproductive biology scientists, clinicians and practitioners, invaluable

insights into a wide range of issues at the forefront of human reproductive health.

Veterinary Anatomy of Domestic Animals-Horst Erich König 2020-01-24

Put yourself in the box seat at exam time ... The days of cramming dry anatomical facts are over. It's time to look at anatomy as an opportunity to appreciate a fascinating world of relationships and interconnections. Featuring: - The complete spectrum of systematic and topographic anatomy: clearly structured and vividly presented, featuring superb high-quality images - A combined text and atlas: takes into account a variety of species, an ideal resource for developing a comprehensive understanding of anatomical structures and relationships - Integrated sectional anatomy and contemporary diagnostic imaging: a window into the application of anatomy in diagnostics Highlights you won't want to miss: - A new chapter on avian anatomy: the fundamental structural features of birds, at a glance - Over 1100 exceptional images: anatomical specimens and histological images, thin slice plastinations, colour schematics, diagnostic imaging, sectional anatomy - Numerous references to clinical and applied anatomy: including equine endoscopy, arthrocentesis, examination of the udder, rectal examination and laparotomy - A unique bonus: CT, MRI and ultrasonographic images Bringing anatomy to life!

The Opossum-William J. Krause 2006-01-01

Tumors in Domestic Animals-Donald J. Meuten 2008-06-02 Since the third edition of Tumors of Domestic Animals there has been an enormous expansion of our knowledge about the molecular mechanisms of tumor development and the ancillary aids used to diagnose neoplasms. The fourth edition condenses this new body of information and presents it in a way that is useful to diagnostic pathologists, residents, veterinarians, and oncologists. The format of the previous editions has been maintained, but the text and the illustrations are substantially changed or entirely different. Readers will be able to find salient clinical information, prevalence data, biological behavior, and most importantly, accurate information about gross

and microscopic lesions to help diagnostic pathologists establish an accurate morphological diagnosis. The editor and authors of *Tumors of Domestic Animals*, all recognized experts in their fields, recognize the need for accurate morphological diagnoses in veterinary patient care, particularly with the numerous treatment modalities now available to oncologists and owners. This landmark reference in veterinary pathology provides the applicable information that clinical veterinarians need and want to make decisions about treatment of the animals in their care.

Avian Immunology-Karel A. Schat 2012-12-02 The second edition of *Avian Immunology* provides an up-to-date overview of the current knowledge of avian immunology. From the ontogeny of the avian immune system to practical application in vaccinology, the book encompasses all aspects of innate and adaptive immunity in chickens. In addition, chapters are devoted to the immunology of other commercially important species such as turkeys and ducks, and to ecoimmunology summarizing the knowledge of immune responses in free-living birds often in relation to reproductive success. The book contains a detailed description of the avian innate immune system, encompassing the mucosal, enteric, respiratory and reproductive systems. The diseases and disorders it covers include immunodepressive diseases and immune evasion, autoimmune diseases, and tumors of the immune system. Practical aspects of vaccination are examined as well. Extensive appendices summarize resources for scientists including cell lines, inbred chicken lines, cytokines, chemokines, and monoclonal antibodies. The world-wide importance of poultry protein for the human diet, as well as the threat of avian influenza pandemics like H5N1 and heavy reliance on vaccination to protect commercial flocks makes this book a vital resource. This book provides crucial information not only for poultry health professionals and avian biologists, but also for comparative and veterinary immunologists, graduate students and veterinary students with an interest in avian immunology. With contributions from 33 of the foremost international experts in the field, this book provides the most up-to-date review of avian immunology so far. Contains a detailed description of the avian innate immune system reviewing constitutive barriers, chemical and cellular responses; it includes a comprehensive review of avian Toll-like receptors. Contains a wide-ranging review of the "ecoimmunology" of free-living avian species, as applied to studies of population dynamics, and

reviews methods and resources available for carrying out such research

Goat Science-Sándor Kukovics 2018-06-20 *Goat science* covers quite a wide range and varieties of topics, from genetics and breeding, via nutrition, production systems, reproduction, milk and meat production, animal health and parasitism, etc., up to the effects of goat products on human health. In this book, several parts of them are presented within 18 different chapters. Molecular genetics and genetic improvement of goats are the new approaches of goat development. Several factors affect the passage rate of digesta in goats, but for diet properties, goats are similar to other ruminants. Iodine deficiency in goats could be dangerous. Assisted reproduction techniques have similar importance in goats like in other ruminants. Milk and meat production traits of goats are almost equally important and have significant positive impacts on human health. Many factors affect the health of goats, heat stress being of increasing importance. Production systems could modify all of the abovementioned characteristics of goats.

Salmonella-Maria Teresa Mascellino 2018-07-18 This book deals with the microorganism *Salmonella*. This bacterium is well known for a long time, being involved in systemic (typhus and paratyphus infections) and nonsystemic diseases such as food poisoning. Major and minor *Salmonellae* are widespread worldwide in developing countries and industrialized areas, respectively. In 2015, about 3576 *Salmonella* strains have been isolated from human infections in Italy. *S. typhimurium* and *S. enteritidis* are the most prevalent serotypes and represent 80% of cases of infections over the last 10 years. The antibiotic susceptibility decrease over the last decades is a big issue in the management of this bacterium, once considered easy to treat. The use of antibiotic combinations in order to overcome the microorganism resistance should be hoped.

SFT Annual Conference and Symposium-Society for Theriogenology. Conference 2003

Journal of the Medical Library Association- 2004

Critical Needs for Research in Veterinary Science-National Research Council 2005-10-18 Research in veterinary science is critical for the health and well-being of animals, including humans. Food safety, emerging infectious diseases, the development of new therapies, and the possibility of bioterrorism are examples of issues addressed by veterinary science that have an impact on both human and animal health. However, there is a lack of scientists engaged in veterinary research. Too few veterinarians pursue research careers, and there is a shortage of facilities and funding for conducting research. This report identifies questions and issues that veterinary research can help to address, and discusses the scientific expertise and infrastructure needed to meet the most critical research needs. The report finds that there is an urgent need to provide adequate resources for investigators, training programs, and facilities involved in veterinary research.

Use of Laboratory Animals in Biomedical and Behavioral Research-National Research Council 1988-02-01 Scientific experiments using animals have contributed significantly to the improvement of human health. Animal experiments were crucial to the conquest of polio, for example, and they will undoubtedly be one of the keystones in AIDS research. However, some persons believe that the cost to the animals is often high. Authored by a committee of experts from various fields, this book discusses the benefits that have resulted from animal research, the scope of animal research today, the concerns of advocates of animal welfare, and the prospects for finding alternatives to animal use. The authors conclude with specific recommendations for more consistent government action.

Evaluating Chemical and Other Agent Exposures for Reproductive and Developmental Toxicity-National Research Council 2001-04-13 The United States Navy has been concerned for some time with protecting its military and civilian personnel from reproductive and developmental

hazards in the workplace. As part of its efforts to reduce or eliminate exposure of Naval personnel and their families to reproductive and developmental toxicants, the Navy requested that the National Research Council (NRC) recommend an approach that can be used to evaluate chemicals and physical agents for their potential to cause reproductive and developmental toxicity. The NRC assigned this project to the Committee on Toxicology, which convened the Subcommittee on Reproductive and Developmental Toxicology, to prepare this report. In this report, the subcommittee recommends an approach for evaluating agents for potential reproductive and developmental toxicity and demonstrates how that approach can be used by the Navy. This report has been reviewed in draft form by individuals chosen for their diverse perspectives and technical expertise, in accordance with procedures approved by the NRC's Report Review Committee. The purpose of this independent review is to provide candid and critical comments that will assist the institution in making its published report as sound as possible and to ensure that the report meets institutional standards for objectivity, evidence, and responsiveness to the study charge. The review comments and draft manuscript remain confidential to protect the integrity of the deliberative process. We wish to thank the following individuals for their review of this report: James Chen (National Center for Toxicological Research), George Daston (Procter and Gamble Company), Jerry Heindel (National Institute of Environmental Health Sciences), Grace Lemasters (University of Cincinnati), and John Young (National Center for Toxicological Research).

Learning from SARS-Institute of Medicine 2004-04-26 The emergence of severe acute respiratory syndrome (SARS) in late 2002 and 2003 challenged the global public health community to confront a novel epidemic that spread rapidly from its origins in southern China until it had reached more than 25 other countries within a matter of months. In addition to the number of patients infected with the SARS virus, the disease had profound economic and political repercussions in many of the affected regions. Recent reports of isolated new SARS cases and a fear that the disease could reemerge and spread have put public health officials on high alert for any indications of possible new outbreaks. This report examines the response to SARS by public health systems in individual countries, the biology of the SARS coronavirus and related coronaviruses in animals, the economic and

political fallout of the SARS epidemic, quarantine law and other public health measures that apply to combating infectious diseases, and the role of international organizations and scientific cooperation in halting the spread of SARS. The report provides an illuminating survey of findings from the epidemic, along with an assessment of what might be needed in order to contain any future outbreaks of SARS or other emerging infections.

Special Pathology and Therapeutics of the Diseases of Domestic Animals-Ferenc Hutyra 1912

Veterinary Medicine- 1994

Updates on Brucellosis-Manal Mohammad Baddour 2015-11-19

Brucellosis is a major zoonotic disease that may cause a serious illness in humans and animals. Global prevalence of human brucellosis remains significant. More than half a million new brucellosis cases from 100 countries are reported annually to the World Health Organization (WHO). The majority of these cases are reported in developing countries. In humans, brucellosis (undulant fever, Malta fever) is characterized by an acute bacteremic phase followed by a chronic stage that may extend over many years and may involve many tissues. It is a systemic disease, and many organ systems (nervous system, heart, skeletal system, bone marrow, etc.) may become involved following hematogenous dissemination. Although eradicated in some countries, it remains one of the most economically important zoonosis worldwide as it is responsible for huge economic losses as well as significant human morbidity in endemic areas. Because of the nonspecific clinical manifestations of human brucellosis and the need for prolonged combination therapy with antibiotics that are not routinely prescribed for other infectious diseases, laboratory confirmation of the diagnosis is of paramount importance for adequate patient management. In addition, evidence of brucellosis has serious public health implications because it discloses exposure to a contaminated source (infected animals or their products, unsafe laboratory practices, or a potential biological warfare attack). This book addresses human brucellosis with stress on symptoms

including those related to the less recognized disease localizations, risk of exposure, treatment, and prevention. Light is shed on animal brucellosis as it pertains to human exposure. The book also emphasizes on laboratory procedures in culturing and serologic techniques. Epidemiologic surveillance is among this book's subjects as well as veterinary control measures.

Drinking Water and Health, Volume 7-National Research Council 1987-02-01 Chlorination in various forms has been the predominant method of drinking water disinfection in the United States for more than 70 years. The seventh volume of the Drinking Water and Health series addresses current methods of drinking water disinfection and compares standard chlorination techniques with alternative methods. Currently used techniques are discussed in terms of their chemical activity, and their efficacy against waterborne pathogens, including bacteria, cysts, and viruses, is compared. Charts, tables, graphs, and case studies are used to analyze the effectiveness of chlorination, chloramination, and ozonation as disinfectant processes and to compare these methods for their production of toxic by-products. Epidemiological case studies on the toxicological effects of chemical by-products in drinking water are also presented.

Zoo Biology- 1993

Nutrient Requirements of Laboratory Animals, -National Research Council 1995-02-01 In the years since the third edition of this indispensable reference was published, a great deal has been learned about the nutritional requirements of common laboratory species: rat, mouse, guinea pig, hamster, gerbil, and vole. The Fourth Revised Edition presents the current expert understanding of the lipid, carbohydrate, protein, mineral, vitamin, and other nutritional needs of these animals. The extensive use of tables provides easy access to a wealth of comprehensive data and resource information. The volume also provides an expanded background discussion of general dietary considerations. In addition to a more user-friendly organization, new features in this edition include: A significantly expanded

section on dietary requirements for rats, reporting substantial new findings. A new section on nutrients that are not required but that may produce beneficial results. New information on growth and reproductive performance among the most commonly used strains of rats and mice and on several hamster species. An expanded discussion of diet formulation and preparation--including sample diets of both purified and natural ingredients. New information on mineral deficiency and toxicity, including warning signs. This authoritative resource will be important to researchers, laboratory technicians, and manufacturers of laboratory animal feed.

Comparative Oncology-Alecsandru Ioan Baba 2007

Canine Medicine-Hussein Abdelhay Essayed Kaoud 2016-12-21 There is a possibility that during a pet's lifetime, medication may be recommended to treat medical conditions or problems. This book *Canine Medicine - Recent Topics and Advanced Research* provides the knowledge in diagnosis and treatment of some important diseases and problems that the canines face. I believe that this book offers broader perspective to the readers in the recent advances in canine medicine, starting from recent topics to application in clinical diagnosis and therapeutics for practitioners and veterinarians. The main purpose of the book is to point out the interest of some important topics of canine medicine and the progress in this field and to clear its

importance in veterinary medicine.

Advances in Reproduction in Dogs, Cats and Exotic Carnivores-

Patrick W. Concannon 2001 This volume includes over 60 reports on topics ranging from clinical management of natural breeding to embryo culture and efforts to clone dogs; from monitoring of pregnancy and parturition of domestic species to pregnancy termination and nonsurgical contraception in exotics; from the normal physiology of the reproductive tract to the diagnosis and treatment of reproductive tract disease; and from practical aspects of evaluating and inseminating fresh semen to new technologies for evaluation of cryopreserved spermatozoa. These new research results and informative reviews will provide valuable reading for clinicians, breeders and researchers working with dogs, cats or exotic carnivores.

Embryonic and Oviductal Factors Contributing to Early Embryonic Loss in Aged, Subfertile Mares-Steven P. Brinsko 1995

Agrindex- 1991