

Biology And Diseases Of The Ferret

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Scientific Foundations of Zoos and Aquariums - Allison B. Kaufman 2019-01-03

Using first-person stories and approachable scientific reviews, this volume explores how zoos conduct and support science around the world.

The Biology of Homosexuality - Jacques Balthazart 2012

This text reviews what research on animals can tell us about the biological factors that control human sexual behavior and orientation.

Information Resources for Ferrets 2002

Laboratory Animal Medicine - James G. Fox 2013-10-02

Laboratory Animal Medicine is a compilation of papers that deals with the diseases and biology of major species of animals used in medical research. The book discusses animal medicine, experimental methods and techniques, design and management of animal facilities, and legislation on laboratory animals. Several papers discuss the biology and diseases of mice, hamsters, guinea pigs, and rabbits. Another paper addresses the dog and cat as laboratory animals, including sourcing of these animals, housing, feeding, and their nutritional needs, as well as breeding and colony management. The book also describes ungulates as laboratory animals, including topics on sourcing, husbandry, preventive medical treatments, and housing facilities. One paper addresses primates as test animals, covering the biology and diseases of old world primates, Cebidae, and ferrets. Some papers pertain to the treatment, diseases, and needed facilities for birds, amphibians, and fish. Other papers then deal

with techniques of experimentation, anesthesia, euthanasia, and some factors (spontaneous diseases) that complicate animal research. The text can prove helpful for scientists, clinical assistants, and researchers whose work involves laboratory animals.

American Weasels - E. Raymond Hall 2015-08-04

The weasel's agility and speed take it in and out of retreats, over obstacles and across open places in amazingly rapid fashion and are responsible for the animal's actions being described as "quick as a flash." The common long-tailed weasel of the United States measures approximately a foot and a half in length, of which the tail comprises a third; but the round, slender body is scarcely more than an inch and a half in diameter. Brown above and whitish below in summer dress, the animal is sleek as well as lithe and graceful. It is easy to understand, therefore, why the Bavarian name Schontherlein (pretty little creature) and the Italian name donnola (little lady) were bestowed upon it. The Spanish name is comadreja (godmother)."

Origin and Evolution of Viruses - Esteban Domingo 2008-06-23

New viral diseases are emerging continuously. Viruses adapt to new environments at astounding rates. Genetic variability of viruses jeopardizes vaccine efficacy. For many viruses mutants resistant to antiviral agents or host immune responses arise readily, for example, with HIV and influenza. These variations are all of utmost importance for human and animal health as they have prevented us from

controlling these epidemic pathogens. This book focuses on the mechanisms that viruses use to evolve, survive and cause disease in their hosts. Covering human, animal, plant and bacterial viruses, it provides both the basic foundations for the evolutionary dynamics of viruses and specific examples of emerging diseases. * NEW - methods to establish relationships among viruses and the mechanisms that affect virus evolution * UNIQUE - combines theoretical concepts in evolution with detailed analyses of the evolution of important virus groups * SPECIFIC - Bacterial, plant, animal and human viruses are compared regarding their interaction with their hosts

Molecular Biology of the Cell Bruce Alberts 2004

Cystic Fibrosis - Margarida D. Amaral 2011

The Process of Animal Domestication Marcelo Sánchez-Villagra 2022-01-18

The first modern scholarly synthesis of animal domestication Across the globe and at different times in the past millennia, the evolutionary history of domesticated animals has been greatly affected by the myriad, complex, and diverse interactions humans have had with the animals closest to them. *The Process of Animal Domestication* presents a broad synthesis of this subject, from the rich biology behind the initial stages of domestication to how the creation of breeds reflects cultural and societal transformations that have impacted the biosphere. Marcelo Sánchez-Villagra draws from a wide range of fields, including evolutionary biology, zooarchaeology, ethnology, genetics, developmental biology, and evolutionary morphology to provide a fresh perspective to this classic topic. Relying on various conceptual and technical tools, he examines the natural history of phenotypes and their developmental origins. He presents case studies involving mammals, birds, fish, and insect species, and he highlights the importance of domestication for the comprehension of evolution, anatomy, ontogeny, and dozens of fundamental biological processes. Bringing together the most current developments, *The Process of Animal Domestication* will interest a wide range of readers, from evolutionary biologists,

developmental biologists, and geneticists to anthropologists and archaeologists.

Principles of Laboratory Animal Science - L. F. M. van Zutphen 2001

The welfare of laboratory animals, as well as the ethical issues involved in the humane use of animals for scientific purposes, are discussed in this new revised edition. Information is included on the biology and husbandry of animal models; on behavior, stress and well-being; genetic and microbiological standardization; health monitoring; anaesthesiology; animal alternatives; ethics. This book addresses all of the aspects that scientists need to know when considering the design of an animal experiment. Replacement, reduction and refinement of animal experiments are the guiding principles for its contents.

Radiology of Rodents, Rabbits and Ferrets - Sam Silverman 2005

This text offers essential coverage of normal radiographic anatomy of small mammal species including rabbit, ferret, guinea pig, chinchilla, hamster, mouse, and rat. Historically used as laboratory animals, these "pocket pets" now have increasingly higher companion animal value and owners are more commonly seeking medical care for them. This resource is designed to help veterinarians meet increasing client demand for services. It provides an understanding of normal anatomic and radiographic features that will help clinicians more easily identify abnormal features to reach an accurate diagnosis. This is the only book of its kind for these species, designed to help practitioners expand the range of services offered for exotic and "pocket" pets. Provides complete directions for positioning each species during radiographic examination to obtain the highest quality images for accurate interpretation. Includes alternative imaging modalities such as CT, MRI, and ultrasound, for advanced diagnostic interpretation. Features radiographic exposure guidelines for each species and each radiographic view, for determining optimal settings and technique. Helpful line drawings are superimposed on radiographic images for accurate identification of anatomic structures. Covers contrast media studies that can enhance detail for radiographic interpretation in species where soft tissue

density detail is poor.

Black-footed Ferret Recovery Plan - S. C. Forrest 1988

Ophthalmology of Exotic Pets - David L. Williams 2012-03-20

This quick reference handbook covers the diagnosis and treatment of eye disease in a range of exotic companion animal species, including rabbits, rodents, reptiles, birds, amphibians and fish. It clarifies when extrapolation from cat or dog eyes is appropriate, or when new information is needed to ensure that diagnoses and treatments are appropriate for the particular species. Writing in an accessible and down to earth style, the author brings a wealth of personal experience to this specialised subject area. The book contains many ophthalmic photographs of both anatomy in normal eyes and pathology in abnormal cases. It also includes a separate chapter on the common ophthalmic features of exotic pets, discussing what can be learnt from cross-species comparison and another chapter giving a brief history of comparative ophthalmology.

Ophthalmology of Exotic Pets is an invaluable aid for veterinary practitioners and students with an interest in exotic pet species, as well as for veterinary ophthalmologists. KEY FEATURES Covers lagomorphs, rodents, reptiles, birds, amphibians and fish Offers clear guidance for species-specific treatment Facilitates extrapolations from the cat or dog to the exotic eye Written in a concise quick reference format Highly illustrated with colour photographs

Vaccine Design - Sunil Thomas 2016-04-14

This text provides a practical guide providing step-by-step protocol to design and develop vaccines. Chapters detail protocols for developing novel vaccines against infectious bacteria, viruses, fungi, and parasites for humans and animals. Volume 2: Vaccines for Veterinary Diseases includes vaccines for farm animals and fishes, vaccine vectors and production, vaccine delivery systems, vaccine bioinformatics, vaccine regulation and intellectual property. Written for the Methods in Molecular Biology series, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols,

and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, Vaccine Design: Methods and Protocols, Volume 2: Vaccines for Veterinary Diseases aims to ensure successful results in the further study of this vital field.

Conservation Biology for All - Navjot S. Sodhi 2010-01-08

Conservation Biology for All provides cutting-edge but basic conservation science to a global readership. A series of authoritative chapters have been written by the top names in conservation biology with the principal aim of disseminating cutting-edge conservation knowledge as widely as possible. Important topics such as balancing conservation and human needs, climate change, conservation planning, designing and analyzing conservation research, ecosystem services, endangered species management, extinctions, fire, habitat loss, and invasive species are covered. Numerous textboxes describing additional relevant material or case studies are also included. The global biodiversity crisis is now unstoppable; what can be saved in the developing world will require an educated constituency in both the developing and developed world. Habitat loss is particularly acute in developing countries, which is of special concern because it tends to be these locations where the greatest species diversity and richest centres of endemism are to be found. Sadly, developing world conservation scientists have found it difficult to access an authoritative textbook, which is particularly ironic since it is these countries where the potential benefits of knowledge application are greatest. There is now an urgent need to educate the next generation of scientists in developing countries, so that they are in a better position to protect their natural resources.

Fungal Diseases - Institute of Medicine 2011-10-08

Fungal diseases have contributed to death and disability in humans, triggered global wildlife extinctions and population declines, devastated agricultural crops, and altered forest ecosystem dynamics. Despite the extensive influence of fungi on health and economic well-being, the threats posed by emerging fungal pathogens to life on Earth are often underappreciated and poorly understood. On December 14 and 15,

2010, the IOM's Forum on Microbial Threats hosted a public workshop to explore the scientific and policy dimensions associated with the causes and consequences of emerging fungal diseases.

Medical Management of Biological Casualties Handbook - 2004

The Autoimmune Epidemic - Donna Jackson Nakazawa 2009-02-10

Why do our bodies rebel against themselves? Why are autoimmune disorders on the rise? What role do everyday environmental toxins play in triggering onset of these diseases? The author answers these questions with personal stories and sound scientific research and offers ways to combat the problem.

Ferret Medicine and Surgery - Cathy Johnson-Delaney 2016-10-14

The text is currently the most up-to-date book on ferret medicine and as such, would be an important addition to the library of veterinary practices seeing these lively, curious and fun-loving pets. Aidan Raftery, *Veterinary Record* 17 March 2018 Ferrets are becoming increasingly popular as pets, rivalling rabbits as the third most favoured domestic pet after dogs and cats. *Ferret Medicine and Surgery* discusses the veterinary aspects of this incredible little creature. The book covers ferret medicine and common surgeries, providing a comprehensive reference for the veterinary practitioner. Each chapter of disorders is designed to be inclusive and includes cross references to other chapters throughout as well as some highlights of anatomy and physiology as a review. The format allows easy access to information providing answers to problems that arise in practice. Thoroughly illustrated with high-quality photographs and line drawings, the book is designed to provide quick, concise information of immediate use to the practitioner.

Ferrets, Rabbits and Rodents - E-Book - Katherine Quesenberry 2011-05-12

A concise guide to the care of small mammals, *Ferrets, Rabbits, and Rodents: Clinical Medicine and Surgery* covers the conditions seen most often in veterinary practice. The book emphasizes preventive medicine along with topics including disease management, ophthalmology, dentistry, and zoonosis. More

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

Biology and Diseases of the Ferret - James G. Fox 2014-06-03

Biology and Diseases of the Ferret, Third Edition has been thoroughly revised and updated to provide a current, comprehensive reference on the ferret. Encyclopedic in scope, it is the only book to focus on the characteristics that make the ferret an important research animal, with

detailed information on conditions, procedures, and treatments. Offering basic information on biology, husbandry, clinical medicine, and surgery, as well as unique information on the use of ferrets in biomedical research, *Biology and Diseases of the Ferret* is an essential resource for investigators using ferrets in the laboratory and for companion animal and comparative medicine veterinarians. The Third Edition adds ten completely new chapters, covering regulatory considerations, black-footed ferret recovery, diseases of the cardiovascular system, viral respiratory disease research, morbillivirus research, genetic engineering, hearing and auditory function, vision and neuroplasticity research, nausea and vomiting research, and lung carcinogenesis research. Additionally, the anesthesia, surgery, and biomethodology chapter has been subdivided into three and thoroughly expanded. The book also highlights the ferret genome project, along with the emerging technology of genetically engineered ferrets, which is of particular importance to the future of the ferret as an animal model in research and will allow the investigation of diseases and their genetic basis in a small, easily maintained, non-rodent species.

How to Clone a Mammoth - Beth Shapiro
2020-09-08

An insider's view on bringing extinct species back to life Could extinct species, like mammoths and passenger pigeons, be brought back to life? In *How to Clone a Mammoth*, Beth Shapiro, an evolutionary biologist and pioneer in ancient DNA research, addresses this intriguing question by walking readers through the astonishing and controversial process of de-extinction. From deciding which species should be restored to anticipating how revived populations might be overseen in the wild, Shapiro vividly explores the extraordinary cutting-edge science that is being used to resurrect the past. Considering de-extinction's practical benefits and ethical challenges, Shapiro argues that the overarching goal should be the revitalization and stabilization of contemporary ecosystems. Looking at the very real and compelling science behind an idea once seen as science fiction, *How to Clone a Mammoth* demonstrates how de-extinction will redefine conservation's future.

Merck Veterinary Manual - Susan E. Aiello
2000

For more than forty years, animal health professionals have turned to the Merck Veterinary Manual for integrated, concise and reliable veterinary information. Now this manual covering the diagnosis, treatment, and prevention of diseases of companion, food and zoo animals is available on an easy-to-use, fully searchable CD-ROM. The CD includes the full text of The Merck Veterinary Manual 8/e and has been enhanced with picture links featuring original anatomical artwork and numerous clinical and diagnostic illustrations, table links and quick search links that provide quick access to cross referenced text.

Ferrets - Maggie Lloyd 1999-06-09

Small animal practices are seeing more ferrets than ever before and there is a need for comprehensive and easy to use information on the health, husbandry and diseases of these animals. This book is a practical and concise guide to the care and management of the domestic ferret. Section 1 covers biology and husbandry; section 2 comprises a systematic, practical approach to the diagnosis and treatment of common diseases; section 3 covers anaesthesia, common surgical procedures, methods of sampling and administration, and handling and clinical examination; and section 4 contains tables on biological data and drug dosages. Here, a wealth of useful information has been brought together in one book for veterinary surgeons, veterinary nurses and all those involved in the care and management of ferrets.

Clinical Molecular Medicine - Dhavendra Kumar
2019-11-30

Clinical Molecular Medicine: Principles and Practice presents the latest scientific advances in molecular and cellular biology, including the development of new and effective drug and biological therapies and diagnostic methods. The book provides medical and biomedical students and researchers with a clear and clinically relevant understanding on the molecular basis of human disease. With an increased focus on new practice concepts, such as stratified, personalized and precision medicine, this book is a valuable and much-needed resource that unites the core principles of molecular biology

with the latest and most promising genomic advances. Illustrates the fundamental principles and therapeutic applications of molecular and cellular biology Offers a clinically focused account of molecular heterogeneity Includes comprehensive coverage of many different disorders, including growth and development, cardiovascular, metabolic, skin, blood, digestive, inflammatory, neuropsychiatric disorders, and many more

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.

Harkness and Wagner's Biology and Medicine of Rabbits and Rodents John E. Harkness
2013-03-22

Harkness and Wagner's *Biology and Medicine of Rabbits and Rodents*, Fifth Edition is a practical reference in small mammal husbandry and health, encompassing the fields of laboratory animal medicine and pet practice. Part of ACLAM's series of laboratory animal books, this text offers concise but complete coverage on rabbits and the most common rodent species,

with an emphasis on biology, clinical procedures, clinical signs, and diseases and conditions. By providing useful, accessible assessment and diagnostic information, *Harkness and Wagner's Biology and Medicine of Rabbits and Rodents* aids the practitioner in diagnosing and treating conditions in small mammals.

Biology and Diseases of the Ferret - James G. Fox 1988

DAVID P. LAWRENCE, PhD, has been an EIA practitioner for more than twenty-five years and is currently President of Lawrence Environmental. He is also a member of the Planning Institute of British Columbia, the International Association for Impact Assessment, and the National Association of Environmental Professionals.

Biodefense in the Age of Synthetic Biology - National Academies of Sciences, Engineering, and Medicine 2019-01-05

Scientific advances over the past several decades have accelerated the ability to engineer existing organisms and to potentially create novel ones not found in nature. Synthetic biology, which collectively refers to concepts, approaches, and tools that enable the modification or creation of biological organisms, is being pursued overwhelmingly for beneficial purposes ranging from reducing the burden of disease to improving agricultural yields to remediating pollution. Although the contributions synthetic biology can make in these and other areas hold great promise, it is also possible to imagine malicious uses that could threaten U.S. citizens and military personnel. Making informed decisions about how to address such concerns requires a realistic assessment of the capabilities that could be misused. *Biodefense in the Age of Synthetic Biology* explores and envisions potential misuses of synthetic biology. This report develops a framework to guide an assessment of the security concerns related to advances in synthetic biology, assesses the levels of concern warranted for such advances, and identifies options that could help mitigate those concerns. *Ferrets For Dummies*- Kim Schilling 2021-02-02
Everything you need to know about your playful new pet Thinking of getting a ferret? It's not unusual—millions of people worldwide keep

ferrets as pets, and they've been domesticated for around 2,500 years! While they're quiet for a lot of the day (catching up on important beauty sleep), when they're awake, they're lively, affectionate, and curious—and require lots of quality interaction with their humans. And that's why a happy ferret is a well-trained one, whose owner knows everything there is to know about its needs! *Ferrets For Dummies*, 3rd Edition is here to make sure you become just that kind of owner, fully equipped to give your little friend the best possible home. It's packed with practical information on feeding, housing, health, medical care, and much more. You'll also find the latest on diet, dental hygiene, common ailments, and how to build an enjoyable and engaging environment for your smart, energetic new pet. There's even a section on how to get to know your ferret properly (spotting those little mood swings) and how to introduce it to play well with friends and family. Make sure a ferret's the pet for you Ferret-proof your home Keep a clean house Find the right vet Whether you have a jill (female), a hob (male), or a full "business" of ferrets (several), *Ferrets For Dummies* helps you ferret out whatever you need to know—and ensure that your fuzzy new pal is a healthy, happy member of the household.

Biology and Conservation of Musteloids -

David Whyte Macdonald 2017

The musteloids are the most diverse super-family among carnivores, ranging from little known, exotic, and highly-endangered species to the popular and familiar, and include a large number of introduced invasives. They feature terrestrial, fossorial, arboreal, and aquatic members, ranging from tenacious predators to frugivorous omnivores, span weights from a 100g weasel to 30kg giant otters, and express a range of social behaviours from the highly gregarious to the fiercely solitary. Musteloids are the subjects of extensive cutting-edge research from phylogenetics to the evolution of sociality and through to the practical implications of disease epidemiology, introduced species management, and climate change. Their diversity and extensive biogeography inform a wide spectrum of ecological theory and conservation practice. The editors of this book have used their combined 90 years of experience working on the behaviour and ecology of wild

musteloids to draw together a unique network of the world's most successful and knowledgeable experts. The book begins with nine review chapters covering hot topics in musteloid biology including evolution, disease, social communication, and management. These are followed by twenty extensive case studies providing a range of comprehensive geographic and taxonomic coverage. The final chapter synthesises what has been discussed in the book, and reflects on the different and diverse conservation needs of musteloids and the wealth of conservation lessons they offer. *Biology and Conservation of Musteloids* provides a conceptual framework for future research and applied conservation management that is suitable for graduate level students as well as professional researchers in musteloid and carnivore ecology and conservation biology. It will also be of relevance and use to conservationists and wildlife managers.

Biology and Diseases of the Ferret

Jane G. Fox 2014-03-26

Biology and Diseases of the Ferret, Third Edition has been thoroughly revised and updated to provide a current, comprehensive reference on the ferret. Encyclopedic in scope, it is the only book to focus on the characteristics that make the ferret an important research animal, with detailed information on conditions, procedures, and treatments. Offering basic information on biology, husbandry, clinical medicine, and surgery, as well as unique information on the use of ferrets in biomedical research, *Biology and Diseases of the Ferret* is an essential resource for investigators using ferrets in the laboratory and for companion animal and comparative medicine veterinarians. The Third Edition adds ten completely new chapters, covering regulatory considerations, black-footed ferret recovery, diseases of the cardiovascular system, viral respiratory disease research, morbillivirus research, genetic engineering, hearing and auditory function, vision and neuroplasticity research, nausea and vomiting research, and lung carcinogenesis research. Additionally, the anesthesia, surgery, and bi methodology chapter has been subdivided into three and thoroughly expanded. The book also highlights the ferret genome project, along with the emerging technology of genetically

engineered ferrets, which is of particular importance to the future of the ferret as an animal model in research and will allow the investigation of diseases and their genetic basis in a small, easily maintained, non-rodent species.

Guide for the Care and Use of Laboratory Animals - National Research Council

2011-01-27

A respected resource for decades, the Guide for the Care and Use of Laboratory Animals has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and

researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.

Laboratory Medicine - Alan M. Fudge 2000

Here's the first reference devoted exclusively to laboratory testing for avian and exotic animals. 31 leading experts thoroughly describe how to select, perform, and interpret diagnostic tests for pet birds, common reptiles, rabbits, and ferrets. They also discuss pathophysiology, where appropriate, to help readers understand what various test results mean.

Muller and Kirk's Small Animal

Dermatology - E-BOOK - William H. Miller

2013-08-07

Covering the diagnosis and treatment of hundreds of dermatologic conditions, Muller and Kirk's Small Animal Dermatology, 7th Edition is today's leading reference on dermatology for dogs, cats, and pocket pets. Topics include clinical signs, etiology, and pathogenesis of dermatologic conditions including fungal, parasitic, metabolic, nutritional, environmental, and psychogenic. This edition includes full updates of all 21 chapters, and more than 1,300 full-color clinical, microscopic, and histopathologic images. Written by veterinary experts William Miller, Craig Griffin, and Karen Campbell, this resource helps students and clinicians distinguish clinical characteristics and variations of normal and abnormal facilitating accurate diagnosis and effective therapy. Over 1,300 high-quality color images clearly depict the clinical features of hundreds of dermatologic disorders, helping to ensure accurate diagnoses and facilitating effective treatment.

Comprehensive coverage includes environmental, nutritional, behavioral, hereditary, and immune-mediated diseases and disorders. Well-organized, thoroughly referenced format makes it easy to access information on skin diseases in dogs, cats, and exotic pets. UPDATES of all 21 chapters include the most current dermatologic information. NEW editors and contributors add new insight and a fresh perspective to this edition.

The 5-Minute Veterinary Consult - Barbara L. Oglesbee 2006-04-03

The 5-Minute Veterinary Consult: Ferret and Rabbit is designed to provide concise, practical

information for the diagnosis and treatment of conditions and diseases in the ferret and rabbit. The unique format provides consistency and breadth of coverage unparalleled by other texts. Like other books in The 5-Minute Veterinary Consult series, the ferret and rabbit book is divided into identically formatted topics based on presenting problems and diseases. For ease of use, the book is divided by species into separate sections for ferrets and rabbits. KEY FEATURES * Topics listed alphabetically from beginning to end for efficient research and reference * Topics reviewed by panel of outstanding experts in the field of companion exotic medicine * Each topic stands alone with little need to cross-reference to other topics within the text * An appendix provides a formulary of commonly used medications, reference ranges for laboratory values, and unique biological characteristics for each species * Includes a full-color insert with anatomical drawings of the rabbit and ferret

BSAVA Manual of Rodents and Ferrets - Emma Keeble 2009-04-06

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

Ferrets, Rabbits, and Rodents - Katherine E. Quesenberry 2004

Addresses the common questions and concerns of the practicing veterinarian who works with small mammals. Serves as a useful reference for veterinary students, technicians, research scientists, pet shop owners, pet owners, and breeders. Because preventive medicine is crucial to small mammal medicine, coverage includes basic biology, husbandry, and routine care of the healthy animal. Also features chapters on disease management, surgery, and radiology. A section of the zoonotic disease chapter covers

the monkey-pox outbreak in the Midwest section of the United States in May 2003. A rare zoonotic viral disease this was the first report of this in the United States and it has never been reported outside of Africa Logically organized in sections by different animals with subsequent chapters organized by body system for quick and easy access to information A Drug Formulary provides a comprehensive introduction to drug therapy Comprehensive appendices offer quick-reference to diagnosis tables, supply sources, and other practical information Features a wealth of photographs and line drawings that demonstrate radiographic interpretation and the main points of diagnostic, surgical, and therapeutic techniques Includes a chapter on ophthalmology, an area of study hard to find for ferrets, rabbits, rodents, and other small mammals Coverage of specific soft tissue surgery and general orthopedic procedures 7 new chapters covering: cardiovascular diseases of rabbits; diseases of prairie dogs; diseases of hedgehogs; diseases of sugar gliders; a combined chapter on hematology and clinical pathology; dentistry; and zoonotic disease A new full-color insert with 24 color plates on hematology and clinical pathology The latest information on Monkey-pox, a rare zoonotic viral disease outbreak that occurred in the Midwest region of the United States in May 2003

Lung Stem Cells in Development, Health and Disease - Nikolic, Marko Z. 2021-04-01

Most organs in the adult human body are able to maintain themselves and undergo repair after injury; these processes are largely dependent on stem cells. In this Monograph, the Guest Editors bring together leading authors in the field to provide information about the different classes of stem cells present both in the developing and adult lung: where they are found, how they function in homeostasis and pathologic conditions, the mechanisms that regulate their behaviour, and how they may be harnessed for therapeutic purposes. The book focuses on stem cells in the mouse and human lung but also includes the ferret as an increasingly important new model organism. Chapters also discuss how lung tissue, including endogenous stem cells, can be generated in vitro from pluripotent stem cell lines. This state-of-the-art collection comprehensively covers one of the most exciting

areas of respiratory science

Potential Risks and Benefits of Gain-of-Function Research - National Research Council
2015-04-13

On October 17, 2014, spurred by incidents at U.S. government laboratories that raised serious biosafety concerns, the United States government launched a one-year deliberative process to address the continuing controversy surrounding so-called "gain-of-function" (GOF) research on respiratory pathogens with pandemic potential. The gain of function controversy began in late 2011 with the question of whether to publish the results of two experiments involving H5N1 avian influenza and continued to focus on certain research with highly pathogenic avian influenza over the next three years. The heart of the U.S. process is an evaluation of the potential risks and benefits of

certain types of GOF experiments with influenza, SARS, and MERS viruses that would inform the development and adoption of a new U.S. Government policy governing the funding and conduct of GOF research. *Potential Risks and Benefits of Gain-of-Function Research* is the summary of a two-day public symposia on GOF research. Convened in December 2014 by the Institute of Medicine and the National Research Council, the main focus of this event was to discuss principles important for, and key considerations in, the design of risk and benefit assessments of GOF research. Participants examined the underlying scientific and technical questions that are the source of current discussion and debate over GOF research involving pathogens with pandemic potential. This report is a record of the presentations and discussion of the meeting.