

Pathology Of Laboratory Rodents And Rabbits Engli

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National Library of Medicine Catalog -
National Library of Medicine (U.S.) 1955

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.

Toxicity Bibliography - 1971

Clinical Biochemistry of Domestic Animals - Jiro J. Kaneko 1989

Concepts of normality in clinical biochemistry. Introduction to recombinant DNA technology. Carbohydrate metabolism and its diseases. Ketogenesis and ketosis. Lipid metabolism and its diseases. Serum proteins and the dysproteinemias. Clinical immunology. Erythrocyte metabolism. Porphyrins and the

porphyrias. Iron metabolism and its diseases. Hemostasis. Leukocyte function. Clinical enzymology. Liver function. Pancreatic function. Gastrointestinal function. Skeletal muscle function. Kidney function. Fluid, electrolyte, and acid-base balance. Pituitary function. Adrenocortical function. Thyroid function. Clinical reproductive endocrinology. Calcium-regulating hormones and diseases of abnormal mineral (calcium, phosphorus, magnesium) metabolism. Trace elements. The vitamins. Cerebrospinal fluid. Clinical biochemistry of laboratory rodents and rabbits.

Cumulated Index Medicus - 1989

Pathology of Laboratory Rodents and Rabbits - Stephen W. Barthold 2016-01-04

Now in its fourth edition, *Pathology of Laboratory Rodents and Rabbits* has become a standard text for veterinary pathologists, laboratory animal veterinarians, students, and others interested in these species. • The standard reference on the

pathogenesis and cardinal diagnostic features of diseases of mice, rats, hamsters, gerbils, guinea pigs, and rabbits • Expanded coverage of rabbit disease, normal anatomic features, and biology • Over 450 color photographs illustrating gross and microscopic pathology • Companion website offering images from the text in PowerPoint
Technical Abstract Bulletin - 1981

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

Animal Models in Toxicology - Shayne C. Gad
2006-10-30

Reflecting more than a decade's worth of changes, *Animal Models in Toxicology*, Second Edition is a practical guide to the common statistical problems encountered in toxicology and the methodologies that are available to solve them. The book presents a historical review of the use of animal models and an overview of broad considerations of me

The Welfare of Laboratory Animals - Eila Kaliste
2007-04-18

This book examines the general principles of laboratory animal maintenance and experimental

use as well as factors that have to be taken into account when good research is done with animals. In addition, it provides species specific coverage, concentrating on the species most used as laboratory animals. The book gives a comprehensive description of the welfare questions considered to be important for each species under laboratory conditions.

Cerebrovascular Bibliography - 1975

Animal Models of Disease - Tim Allen 1995

The Biology and Medicine of Rabbits and Rodents - John E. Harkness 1995

The Biology and Medicine of Rabbits and Rodents has long been considered a "classic" in veterinary medicine and laboratory animal science. Now in its fourth edition, this essential work remains a practical, easy-access manual that spans the diverse needs of both practitioner and researcher. Drs. Harkness and Wagner have carefully rewritten and extensively updated their

practical, trusted resource. This new edition includes recognized species-specific approach; new illustrations depicting restraint and clinical techniques; new case studies with updated test questions; easy-to-follow icons to direct you to the information you need; broad range of topics for each species - rabbits, guinea pigs, hamsters, gerbils, rats and mice; and expanded coverage of therapy, diagnosis and treatment.

National Library of Medicine Audiovisuals Catalog
- National Library of Medicine (U.S.) 1988

Housing, Husbandry, and Welfare of Rodents - Catherine Lynn Shull 1993

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.

Nutrition of the Rabbit, 3rd Edition - Carlos de Blas 2020-02-11

Bringing together international expertise in rabbit production, topics covered in this fully updated volume include digestive physiology, feed formulation and product quality, as well as feeding strategies, feed processing, feed management around weaning and the relationship between nutrition and intestinal health. Brand new to this edition, the chapters also discuss the development of immune

response and the role of intestinal microbiota, new dietary sources and additives, and feeding behaviour in pasture and organic feeding. A valuable resource for researchers and students of animal nutrition and production, this book provides a comprehensive, research-based review of nutrition for these important animals.

Clinical Laboratory Animal Medicine - Karen Hrapkiewicz 2013-11-11

Clinical Laboratory Animal Medicine: An Introduction, Fourth Edition offers a user-friendly guide to the unique anatomy and physiology, care, common diseases, and treatment of small mammals and nonhuman primates. Carefully designed for ease of use, the book includes tip boxes, images, and review questions to aid in comprehension and learning. The Fourth Edition adds new information on transgenic mice, drug dosages, techniques, and environmental enrichment, making the book a comprehensive working manual for the care and maintenance of common laboratory animals. The book includes

information on topics ranging from genetics and behavior to husbandry and techniques in mice, rats, gerbils, hamsters, guinea pigs, chinchillas, rabbits, ferrets, and nonhuman primates. A companion website provides editable review questions and answers, instructional PowerPoints, and additional images not found in the book. *Clinical Laboratory Animal Medicine* is an invaluable resource for practicing veterinarians, veterinary students, veterinary technicians, and research scientists.

The Laboratory Rabbit, Guinea Pig, Hamster, and Other Rodents - Mark A. Suckow 2012-01-09

This is a single volume, comprehensive book sanctioned by the American College of Laboratory Animal Medicine (ACLAM), covering the rabbit, guinea pig, hamster, gerbil and other rodents often used in research. This well illustrated reference includes basic biology, anatomy, physiology, behavior, infectious and noninfectious diseases, husbandry and breeding, common experimental methods, and use of the

species as a research model. It is a resource for advancements in the humane and responsible care of: rabbit, guinea pig, hamster, gerbil, chinchilla, deer mouse, kangaroo rat, cotton rat, sand rat, and degu Includes up-to-date, common experimental methods. Organized by species for easy access during bench research.

The Biology of the Laboratory Rabbit - Patrick J. Manning 2014-04-25

After nearly 20 years, the publication of this Second Edition of *The Biology of the Laboratory Rabbit* attests to its popularity within the scientific community as well as to the need to update an expanding database on the rabbit as a major species in laboratory investigation. The principal aim of this text is to provide a comprehensive and authoritative source of scientifically based information on a major laboratory animal species. The text continues to emphasize the normal biology as well as diseases of the European (domestic) rabbit, *Orytolagus cuniculus*, especially the New Zealand White

breed, with occasional reference to other rabbit species (*Sylvilagus* sp.) and hares (*Lepus* sp.). New topics have been added to this second edition in response to changing trends in biomedical research and product testing as well as to suggestions from readers. New chapters included on: Anesthesia and analgesia Models in infectious disease research Models in ophthalmology and vision research Polyclonal antibody production Toxicity and safety testing Drug doses and clinical reference data

Bibliography of Agriculture - 1969-06

Pathology of Laboratory Rodents and Rabbits - Stephen W. Barthold 2016-01-04

Now in its fourth edition, *Pathology of Laboratory Rodents and Rabbits* has become a standard text for veterinary pathologists, laboratory animal veterinarians, students, and others interested in these species. • The standard reference on the pathogenesis and cardinal diagnostic features of diseases of mice, rats, hamsters, gerbils, guinea

pigs, and rabbits • Expanded coverage of rabbit disease, normal anatomic features, and biology • Over 450 color photographs illustrating gross and microscopic pathology • Companion website offering images from the text in PowerPoint

CRC Handbook of Laboratory Animal Science - Edward C. Melby 1974

Pathology of Laboratory Animals - Kurt Benirschke 2012-12-06

Laboratory Animal Medicine has made enormous strides in the 47 years since R. Jaffe published his "Anatomy and Pathology of Spontaneous Diseases of Small Laboratory Animals" in 1931. So note what appears to be repetition in certain chapters. This repetition was allowed to stand in some much new information had accumulated that in a cases because different approaches seemed useful, new edition in 1958, Jaffe, aided

by Cohrs and Meessen, needed the assistance of 46 colleagues to do the subject justice. Like its predecessor, this two redundancy which inevitably arises in a venture of volume comprehensive treatise on "Pathologie der Laboratoriumstiere" was written in German and criticism of this work to allow corrections in the thus not readily available to the widening circle of event of reprinting or a next edition. veterinarians and pathologists who now are interested in laboratory animals. Aside from the need to have a comprehensive formation in the pathologic aspects of diseases of review of laboratory animal pathology in English, laboratory animals.

National Library of Medicine Current Catalog - National Library of Medicine (U.S.) 1971

First multi-year cumulation covers six years:
1965-70.

Laboratory Animal Medicine - James G. Fox
2002-06-20

A volume in the American College of Laboratory Animal Medicine series, this second edition has over 40% new material, including the addition of six new topics and many others that are completely rewritten. The book comprehensively covers the biological and disease aspects of laboratory animal medicine while examining other aspects such as the biohazards associated with the use of animal experimentation and factors complicating the bioethics of animal research.

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.

The UFAW Handbook on the Care and Management of Laboratory Animals -

Universities Federation for Animal Welfare 1967

Toxicity Bibliography - 1977

Housing, Husbandry, and Welfare of Rabbits - John Timothy Allen 1994

Textbook of Rabbit Medicine E-Book - Molly Varga 2013-08-19

The Textbook of Rabbit Medicine second edition is the completely revised and updated new edition of Frances Harcourt Brown's acclaimed text covering all aspects of rabbit medicine. While the authoritative and evidence-based approach that made the original book so successful has been retained, in this new second edition well-known rabbit expert Molly Varga adds a stronger clinical focus that makes the Textbook invaluable as a point-of-care resource as well as a respected reference. With many additional features introduced for this update, the Textbook of Rabbit Medicine second edition

remains the definitive and comprehensive reference of choice for all veterinary practitioners seeking information on the pet rabbit.

Comprehensive, in-depth and authoritative coverage of the health and diseases of the domestic rabbit Detailed and explicit line artwork provides a clear understanding of physiological processes A practical, evidence-based resource for the effective treatment of pet rabbits. Entire text reviewed and updated by a leading expert, with major revision of therapeutics, anaesthesia, abscesses and neurology chapters. New clinical emphasis with clinical tips boxes throughout the text increase its practical focus Ancillary website presents clips of key procedures, an image library and podcasts Completely redesigned with more user-friendly text layout and full colour throughout. Many more illustrations specially commissioned for this edition

Kidney Disease and Nephrology Index - 1977

Literature Search - National Library of Medicine

(U.S.) 1980

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.

Background Lesions in Laboratory Animals

E-Book - Elizabeth Fiona McInnes 2011-10-24
Background Lesions in Laboratory Animals will be an invaluable aid to pathologists needing to recognize background and incidental lesions while examining slides taken from laboratory animals in acute and chronic toxicity studies, or while examining exotic species in a diagnostic laboratory. It gives clear descriptions and illustrations of the majority of background lesions likely to be encountered. Many of the lesions covered are unusual and can be mistaken for

treatment-related findings in preclinical toxicity studies. The Atlas has been prepared with contributions from experienced toxicological pathologists who are specialists in each of the laboratory animal species covered and who have published extensively in these areas. over 600 high-definition, top-quality color photographs of background lesions found in rats, mice, dogs, minipigs, non-human primates, hamsters, guinea pigs and rabbits a separate chapter on lesions in the reproductive systems of all laboratory animals written by Dr Dianne Creasy, a world expert on testicular lesions in laboratory animals a chapter on common artifacts that may be

observed in histological glass slides extensive references to each lesion described aging lesions encountered in all laboratory animal species, particularly in rats in mice which are used for carcinogenicity studies

Laboratory Animals - 1967

Quick Bibliography Series - 1976

Inborn Errors of Metabolism in Animals -
Charlotte Kenton 1980

Pesticides Documentation Bulletin - 1969

Population Sciences - 1979