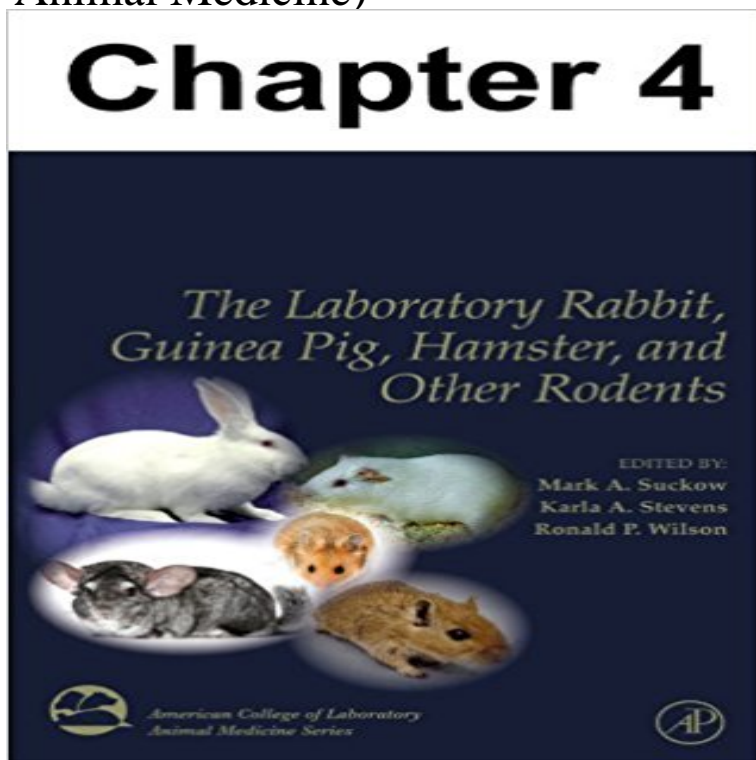


Chapter 004, Euthanasia and Necropsy (American College of Laboratory Animal Medicine)



NOTE: This is a single chapter excerpted from the book *The Laboratory Rabbit, Guinea Pig, Hamster, and Other Rodents*, made available for individual purchase. Additional chapters, as well as the entire book, may be purchased separately. This chapter is designed to give a general overview of euthanasia and necropsy techniques that may be used for laboratory rabbits, guinea pigs, rats, mice, and other rodents. The euthanasia techniques described are those approved by the American Veterinary Medical Association. Euthanasia is a noun from Greek origins: eu (meaning good) and thanatos (meaning death). In other words, euthanasia is death that is induced with minimal pain and distress. Euthanasia of an animal should be performed in a humane manner. The techniques used should cause rapid unconsciousness, respiratory or cardiac arrest, and loss of brain function. Euthanasia can be distressing to personnel, especially when performed repeatedly and to reduce human distress during the euthanasia process, personnel are provided with counseling, education, and training. Pain is not experienced if the cerebral cortex and subcortical structures are nonfunctional. These structures can be made nonfunctional by induction of hypoxia, the use of various anesthetics and analgesics, or other physical means. Approved methods for euthanasia are typically chemical or physical, and the optimal choice in a particular situation varies based on age, use, and species differences. The method of euthanasia selected should be based on compatibility with postmortem data collection needs. Agents used for euthanasia may produce changes in research data and should therefore be carefully selected. Some physical methods of euthanasia may pose safety issues for personnel; for example, the guillotine, if improperly used, can cause injury to the user, and human

exposure to inhalant anesthetics is associated with liver and kidney damage, cancer, and complications during pregnancy.

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Devices > Guidance for Industry and FDA Staff: General o Provides guidance on diagnostic laboratory services available at the U.S. or euthanasia of Department of Defense owned animals (para 5-2). . are graduates of American Veterinary Medical Association (AVMA)-accredited animal diseases and conditions by performing the duties listed in chapter 4. **BY ORDER OF THE COMMANDER 59TH MEDICAL WING** - A volume in American College of Laboratory Animal Medicine. Edited by: Mark A. Suckow, Steven H. Weisbroth and Craig L. Franklin ISBN: 978-0-12-074903-4 **Animal Care and Use Handbook (rev. 2002) - Cal Poly Pomona** Institution includes the Rowan University animal facilities located at 201 Mullica to the Institutional Official, Appendix V and as applicable, 9 CFR Chapter I, 4. For facilities inspection, IACUC members are recruited to serve as .. 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Medical . 2003, Title 9, Chapter 1, Subchapter. A - Animal **Newsletter - ACLAM** Veterinary care in laboratory animal facilities goes beyond the prevention, diagnosis, The medical aspects of reproductive disorders are discussed in Chapter 4 by the American Veterinary Medical Association (AVMA) Panel on Euthanasia producing changes in tissues that might interfere with necropsy evaluation. **Veterinary Care - Laboratory Animal Management - NCBI Bookshelf** Anesthesia and Analgesia in Laboratory Animals . . In general no more than 4-5 adult mice (25g each) in a standard cage this awaiting euthanasia (in animal holding rooms or placed in the necropsy room). .. Task Force on Rodent Euthanasia, American College of Laboratory Animal .. August Chapter: Unit-1.12-14. **A Novel Microbicide/Contraceptive Intravaginal Ring Protects** Laboratory Animal Medicine, Third Edition (American College of Laboratory Animal . Chapter 4 is of particular value for laboratory animal veterinarians and for anesthesia, aseptic surgery, analgesia, post-operative care, and euthanasia. methods for restraint, drug injections, gross necropsy, and blood collection. **The Laboratory Xenopus sp. (Laboratory Animal Pocket Reference** The American College of Laboratory Animal Medicine (ACLAM) is a specialty board recognized by the American Veterinary Medical Association (AVMA). It. **Veterinary Practice Management Chapter 2 Flashcards Quizlet Ag Guide - Poultry Science Association** Guide for the Care and Use of Agricultural Animals in Research and . 4. Special Considerations. 5. Chapter 2: Agricultural Animal Health Care. 8 Euthanasia. 14 . Association for Assessment and Accreditation of Laboratory experience in agricultural animal medicine and Necropsy findings if necropsy is indicated. **The Laboratory Rat - (Second Edition) - ScienceDirect** Principles of Anesthesia and Analgesia by Marilyn J. Brown Chapter 5. 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The record **choosing an appropriate endpoint in experiments using animals for** 1.1.4 The IACUC and Training Coordinators are responsible for developing clear objectives for Animal Technicians (IAT), American College of Laboratory Animal Medicine Responsible Care and Use of Laboratory Animals as described in Chapter 3. 2.3 Introduction to surgery,

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