

 <p>Institutional Animal Care and Use Committee Guiding Principles and Procedures</p>	<p>Effective: 9/19/2013</p> <p>Revised: 2/21/2019</p>
<p>Title: Veterinary Medical Care and Best Practices</p>	<p>Page 1 of 3</p>

Guiding Principle

The NDSU Institutional Official (IO) will appoint an Institutional Attending Veterinarian (AV) for NDSU. The AV will serve on the NDSU Institutional Animal Care and Use Committee (IACUC). The AV and his/her alternate shall have graduated from an accredited veterinary school and have appropriate training or experience in laboratory animal medicine and science. In accordance with the Animal Welfare Act and PHS Policy, and the current Guide for the Care and Use of Laboratory Animals, the AV, shall have direct or delegated program authority and shared responsibility with the IACUC for activities involving animals.

The AV will facilitate the ability of the Principal Investigator (PI) to perform animal research in a humane manner consistent with all federal requirements. The IACUC relies on the AV for professional judgment in all animal health issues.

Under the direction of the AV and the IACUC, Standard Operating Procedures (SOP) and Guiding Principles (GP) are developed and maintained which serve as a basis for veterinary medical care. The SOP(s) are updated through specific protocol review, and the GPs through periodic review by the AV and IACUC Administrator.

Requirements

Animal Welfare Act and Regulations, in accordance with, (9 CFR Ch. 1), Part 2 – Subpart C, 2.31(b)(3)(i) The AV is required to serve on the IACUC. At least one shall be a Doctor of Veterinary Medicine, with training or experience in laboratory animal science and medicine, which has direct or delegated program responsibility for activities involving animals at the research facility. **2.33(a)(2)** Each research facility shall assure that the attending veterinarian has appropriate authority to ensure the provision of adequate veterinary care and oversee the adequacy of other aspects of animal care and use. **2.33(b)(4-5)** The attending veterinarian shall provide guidance to principal investigators and other personnel involved in the care and use of animals regarding handling, immobilization, anesthesia, analgesia, tranquilization, and euthanasia; and Adequate pre-procedural and post-procedural care in accordance with current established veterinary medical and nursing procedures.

PHS Policy, in accordance with IV A. (3)(b)(1) one Doctor of Veterinary Medicine, with training or experience in laboratory animal science and medicine, who has direct or delegated program authority and responsibility for activities involving animals at the institution. **IV C. (1)(e)** Medical care for animals will be available and provided as necessary by a qualified veterinarian.

Procedures

The role of the Institutional Attending Veterinarian is to:

- 1. Provide veterinary consultation on the recognition and palliation of pain.**
- 2. Direct the NDSU Animal Care Program**
- 3. Serve as a member of the IACUC which will include:**
 - 3.1. Advise the IACUC on current best practices as they relate to new procedures or any procedures with the potential to cause pain and distress that cannot be reliably controlled.
 - 3.2. Serve as Designated Reviewer for veterinary issues.
 - 3.3. Serve as a resource for IACUC members, investigators, research specialists, post docs, students, and technician on issues related to animal welfare and current best practices.
 - 3.4. Assist with training and education of IACUC members, investigators, research specialists, post docs, students, and technicians as needed.
- 4. Provide adequate veterinary care as outlined in the [American College of Laboratory Animal Medicine \(ACLAM\) Position Statement](#), including, but not limited to:**
 - 4.1. Provides advisement for animal procurement and transportation.
 - 4.2. Direct or perform procedures to identify disease etiologies.
 - 4.3. Prescribe or delegate prescription of treatments to treat ill animals.
 - 4.4. Develop programs for quarantine and isolation, monitoring of colony/herd/flock health, and routine vaccinations and parasite control.
 - 4.5. Advise PIs on and assure proper use of methods to relieve or reduce pain and distress including the use of proper anesthesia and analgesia; discussion of the possible complications related to procedures used, or a disease model proposed; provide a review of the plans for appropriate and timely medical intervention.
 - 4.6. Advise investigators and the IACUC on the appropriateness of specific techniques and methods using animals, and the availability of alternative animal and non-animal models.
 - 4.7. Advise investigator and oversee as necessary pre-surgical preparation, surgical procedures, and postsurgical care of animals and provide care as needed.
 - 4.8. Assure that animals are euthanized when appropriate and in a humane manner.

- 4.9. Assure that programs for disinfection, housing, nutrition, breeding and environmental enrichment are appropriate.
- 4.10. Work with safety oversight professionals to assure safe use of biologic, radiologic, and chemical hazards.
- 4.11. Advise the IACUC and health professionals on the occupational health program.