

Title: Review of Applications, Modifications and the use of Veterinary Verification and Consultation	Policy No.
	IACUC-004
	Effective Date: 09/02/2016
	Updated: 04/10/2023

Oklahoma State University has several mechanisms for the review and approval of Animal Care and Use Protocols (ACUP) and modifications to those protocols. The IACUC Manager or designee will receive all submissions and determine significance and review method based on this policy.

New ACUPs:

All animal work for research, testing, or teaching must occur under an approved IACUC protocol. ACUPs are approved for a maximum of three years. Prior to the three-year expiration point, a de-novo review is required. There are several types of review for new ACUPs. The types of review are:

- a. Full Committee Review: Reviewed at a scheduled IACUC meeting by all members in attendance.
- b. Designated Member Review (DMR) – Reviewed by members of the IACUC as designated by the IACUC chair or designee. All IACUC members have access to view the proposal/changes, and any may request full committee review. IACUC members have a minimum of 3 business days to review.
- c. Expedited Review: When presented with strong scientific justification or necessity, the IACUC chair or designee may allow an ACUP to go through expedited review. The ACUP will undergo designated member review with a timeline specified by the IACUC chair or designee, making sure all IACUC members have access to review the ACUP and to call for full committee review.

Review Revisions Subcommittee:

When needed revisions to protocols, SOPs, and modifications are identified during full committee review, the IACUC may vote to send the protocol, SOP, or modification to designated

member review with the Pending Revisions Subcommittee. This subcommittee consists of the IACUC Chair and Attending Veterinarian (or designees). All IACUC Members have agreed to this process in writing.

ACUP Review Summary:

- a. ACUPs involving category E procedures will undergo full committee review at a meeting of the IACUC unless expedited review is granted by the Chair or designee.
- b. ACUPs involving multiple survival surgeries will undergo full committee review at a meeting of the IACUC, unless expedited review is granted by the Chair or designee.
- c. ACUPs, SOPs, and modifications involving departures from the Guide, the Ag Guide, USDA regulations or policies, OLAW or AAALAC guidance, or prevailing professional standards for reasons other than scientific necessity will undergo full committee review at a meeting of the IACUC unless expedited review is granted by the Chair or designee
- d. Other ACUPs, renewals including category E procedures, category E procedures involving standard agricultural procedures as described in the Ag Guide (such as castration, tail docking, dehorning), and modifications will normally undergo designated member review by the Chair, the Attending Veterinarian, and an additional member selected by the Chair.

Administrative non-significant Changes:

Changes that may be handled administratively by the IACUC staff include:

- a. correction of typographical errors;
- b. correction of grammar.
- c. contact information updates; and
- d. change in personnel, other than the PI (There will be an administrative check to ensure mandatory training requirements and Occupational Health and Safety enrollment is complete prior to approval).
- e. addition or change in sponsor or title of grant
- f. addition of a housing location when that location has passed IACUC inspection within the previous 6 months.
- g. increases in the number of animals to be used: Justified increase in the number of animals to be used up to 10% more than originally approved by the IACUC may be approved administratively by the IACUC Manager or designee.

- h. Change in vendor for animal ordering to one of the following approved sources: Charles River Labs, Harlan Sprague Dawley, Jackson Laboratories, and Taconic Farms. Changes in inter-university transfers when quarantine is handled through Animal Resources, changes in intra-university transfers when not otherwise conflicting with this policy.

Significant Changes:

Significant changes described in a.-g. below, will be reviewed by either DMR or FCR.

- a. from nonsurvival to survival surgery;
- b. resulting in greater pain, distress, or degree of invasiveness;
- c. in housing and or use of animals in a location that is not part of the animal program overseen by the IACUC;
- d. in species;
- e. in study objectives;
- f. in Principal Investigator (PI); and
- g. that impact personnel safety.
- h. addition of new procedures

Veterinary Verification and Consultation (VVC)

In August 2014 OLAW provided new guidance on Significant Changes to Animal Activities NOT-OD-14-126 in an effort to support the use of performance standards and professional judgment and to reduce regulatory burden.

The specific significant changes described in a.-d., below, may be handled administratively according to this IACUC reviewed and approved policy in consultation with an IACUC member veterinarian (Attending Veterinarian or designee). The veterinarian is not conducting DMR, but is serving as a subject matter expert to verify that compliance with this IACUC reviewed and approved policy is appropriate for the animals in this circumstance. Review and verification by the veterinarian must be documented. The veterinarian may refer any request to the IACUC for review for any reason and must refer any request that does not meet the parameters of this IACUC reviewed and approved policy. The VVC process may not be used to add new procedures to a previously approved protocol. Items eligible for VVC review includes:

- a. anesthesia, analgesia, sedation, or experimental substances; (see approved reference list below)
- b. euthanasia to any method approved in the [AVMA Guidelines for the Euthanasia of Animals](#)

- c. duration, frequency, type, or number of procedures performed on an animal, as long as the changes do not result in greater pain, distress, or degree of invasiveness
- d. addition of housing or use locations that are already a part of the animal program

IACUC Approved Reference Materials for Veterinary Verification and Consultation (VVC) include the current editions of the following:

Anesthesia, analgesia, or sedation to referenced drugs and dosages for the species.

Laboratory Animal Medicine, ACLAM Blue Book Series

Harkness and Wagner's Biology and Medicine of Rabbits and Rodents

Flecknell's Laboratory Animal Anesthesia

Plumb's Veterinary Drug Handbook

ACLAM's Formulary for Laboratory Animals

Fowler's Zoo and Wildlife Medicine

Lumb and Jones Veterinary Anesthesia and Analgesia

Quesenberry and Carpenter's Ferrets, Rabbits and Rodents Clinical Medicine and Surgery

Anesthesia and Analgesia of Laboratory Animals (ACLAM's Blue Book Series)

Flecknell and Waterman-Pearson's Pain Management in Animals

Muir et. al. Handbook of Veterinary Anesthesia

Manual of Equine Emergencies - Orsini and Divers

Swine in the Laboratory - M. Michael Swindle

Goat Medicine by Mary C. Smith and David Sherman

Hagyard Pharmacy mobile formulary

Journal publications (peer reviewed)

Blood collection and experimental substance dosing including a change in test compound, dose, or route of administration.

Journal publications (peer reviewed)

Diehl et al. A good practice guide to the administration of substances and removal of blood, including routes and volumes. J App Tox. 2001; 21:15-23.

Euthanasia - [AVMA Guidelines for the Euthanasia of Animals](#)