



Inspection Report

University of Minnesota
RESEARCH ANIMAL RESOURCES
MINNEAPOLIS, MN 55455

Customer ID: **547**
Certificate: **41-R-0005**
Site: 001
MINNEAPOLIS SITE

Type: FOCUSED INSPECTION
Date: 29-APR-2025

2.31(c)(7)

Institutional Animal Care and Use Committee (IACUC).

The facility is not following their IACUC-approved protocol 2202-39802A.

Specifically, the protocol states a specified surgical procedure should take approximately 1-3 hours and two rhesus macaques underwent surgeries on February 6 and 7, 2025 that lasted approximately 7.5 hours each.

The protocol states that buprenorphine will be dosed at 0.01 mg/kg for surgeries lasting less than 6 hours and 0.02 mg/kg for surgeries expected to last longer than 6 hours. Meloxicam will be given postoperatively every 24 hours for 3 days after surgery. The animal who underwent surgery on February 6, 2025, received 0.01 mg/kg of buprenorphine perioperatively, instead of 0.02 mg/kg. That animal received meloxicam postoperatively on day 2 approximately 26.5 hours after their meloxicam on postoperative day 1.

The protocol states that immediately following the procedure, the patient will be monitored continuously (with behavior recorded approximately every 15 minutes) until they are perching and no longer ataxic. Following this, the patient will be checked on approximately every 15 to 30 minutes for the next hour. The records for the animal anesthetized on February 6, 2025, state that the animal was extubated at 1815 hours, blinking at 1815-1830 hours, and sitting up at 1910 hours. There are further records documented after 1710 hours that follow the protocol's instructions for monitoring. However, there is no indication that the animal was monitored continuously between 1830 and 1910 hours.

The IACUC's policy on surgery and postoperative care of USDA species states that a surgical record must be kept documenting the procedure that was performed, identity of the surgeon(s)/assistant(s), and a summary of the procedure including any complications or deviations from the approved procedure. No surgical summary was recorded for either animal.

Additionally, the implant cleaning protocol is not being followed for several of the rhesus macaques with cranial implants. The protocol states that the implants will be cleaned daily for animals undergoing behavioral training and once weekly for animals not currently on a training protocol. The cleaning protocol specifies that hair must be removed from the scalp surrounding the implant using electric scissors. Cleaning was not performed on five days between January 27, 2025 and May 1, 2025, as directed by the protocol. Additionally, hair was not being clipped as directed in the protocol as noted in

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veterinary records on January 21, 2025.

This activity constitutes a significant deviation from the approved activities in the protocol. Making significant changes to protocols without IACUC review and approval deprives the IACUC of the opportunity to provide oversight of animal activities and compliance with the Animal Welfare Act. Additionally, failing to complete surgical, anesthetic, analgesic, and cleaning procedures as described in the protocol could result in suffering or death in the affected animals.

Principal investigators are to follow the IACUC-approved protocols, and any proposed changes shall be reviewed and approved by the IACUC prior to implementation. Those carrying out procedures in an IACUC-approved protocol must be fully trained and adhere to what is approved by the IACUC, unless prior modifications are requested and approved.

Correct by May 7, 2025.

This inspection and exit interview were conducted with facility representatives.

Additional Inspectors:

GWENDALYN MAGINNIS, Nonhuman Primate Field Specialist

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Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
547	41-R-0005	001	MINNEAPOLIS SITE	29-APR-2025

Count	Scientific Name	Common Name
000000	NONE	NONE
000000	Total	