



Inspection Report

Colorado State University
203 Administration
2001 Campus Delivery
Fort Collins, CO 80523

Customer ID: 1195
Certificate: 84-R-0003
Site: 001
COLORADO STATE UNIVERSITY

Type: ROUTINE INSPECTION
Date: 12-DEC-2017

2.31(c)(7) REPEAT

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

***Significant changes regarding the number and use of animals in protocol #15-5602A, involving horses, were not approved by the Institutional Animal Care and Use Committee (IACUC).

The protocol was approved for the use of 30 horses. Five additional horses were added to the study, however the IACUC was not informed of this protocol deviation. A post-approval monitor (PAM) detected the use of the additional horses after the study had been completed.

Additionally, APHIS personnel discovered the following procedures were conducted instead of those approved in the protocol:

- Sedation of 28 horses with detomidine instead of the approved sedation xylazine
- Injection with lidocaine prior to the nerve block instead of application of an approved topical anesthetic (benzocaine)
- The use of hemostats to tap the teeth instead of the approved use of Von Frey filaments or thermal testing for confirmation of local analgesia
- The euthanasia of three horses rather than the approved two horses
- The use of six control horses was not included in the protocol. These horses were sedated but did not receive a mental nerve block prior to the responsiveness testing.

Unapproved significant changes to a protocol can result in unanticipated pain and distress, and put the animal's welfare at risk. All activities involving animals must adhere to those in the IACUC-approved protocols and amendments. This conformance to protocol is necessary to ensure that the IACUC has the authority to assure the proper care and use of animals in research projects. Any significant changes to the approved protocol must be reviewed and approved by the IACUC prior to implementing the changes.

2.31(d)(1)(iv)(A)

Prepared By:

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INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).

***In IACUC-approved protocol, 17-7461A, involving procedures in which dogs and cats may experience unrelieved pain or distress, no scientific justification was provided for why these activities could not be performed with appropriate sedatives, analgesics or anesthetics.

The protocol stated "For Pain Category E procedures, explain why drugs or other ameliorative treatments cannot be used to fully alleviate pain/distress." The entry provided by the PI was "NA." Facility personnel informed APHIS inspectors that there were no other documents that provided this justification.

Appropriate methods to alleviate potential pain or distress to the animals that is more than slight or momentary are must be provided for the care and well-being of the animals. In the case that the withholding of such sedatives, analgesics, or anesthetics is necessary for the study, the principal investigator must provide scientific justification in writing.

Correct by: From this date forward

This inspection was conducted from 12/12/17-12/14/17 with facility representatives and the exit interview was conducted on 12/15/17 with facility representatives.

Additional Inspectors

Schnell Michael, Veterinary Medical Officer

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