



Inspection Report

University Of North Carolina
312 South Building Cb#4000
Chapel Hill, NC 27599

Customer ID: 826

Certificate: 55-R-0004

Site: 001

DIVISION OF LABORATORY ANIMAL MEDICINE

Type: ROUTINE INSPECTION

Date: 14-APR-2015

2.32(c)(3)

PERSONNEL QUALIFICATIONS.

Training of personnel.

(1) In March 2015 it was discovered during a routine review of records and documents kept in the surgical area that in November 2014 the injectable pre-anesthetic, administered to 3 pigs prior to the maintenance inhalant anesthetic, was almost 6 months beyond the medication's use by date. A review of the anesthesia monitoring records for the animals showed that there were no adverse effects on the animals as a result of the use of the outdated pre-anesthetic.

Upon being notified by veterinary services staff and in response to this incident, the IACUC determined that a member of the veterinary technical staff had mixed the medication correctly but had not labeled the bottle of pre-anesthetic with the date of reconstitution and the use by date, and had subsequently administered the outdated pre-anesthetic to the 3 pigs.

Per this Section of the Regulations, all personnel involved in the anesthesia of animals should be qualified and appropriately trained in the proper use of anesthetics, analgesics, and tranquilizers for the species of animals that the personnel will be working with.

The IACUC acted promptly to address this item by conducting an investigation, reporting the incident to OLAW and USDA, and swiftly implementing appropriate corrective actions to prevent any future incidents. Corrective actions included but were not limited to providing all veterinary technical staff with additional training on proper drug handling and use, adding drug handling and use to ongoing annual training requirements, and implementing new recordkeeping requirements.

This item has been corrected.

Prepared By: PAULA GLADUE, V M D USDA, APHIS, Animal Care

Date:
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2.38(f)(1)

MISCELLANEOUS.

Handling.

(1) On 10/31/15 a rabbit underwent a routine procedure under sedation and local anesthesia during which the animal moved and vocalized. The procedure was halted to allow additional time for the local anesthetic to take full effect then the procedure was completed and the rabbit was returned to its enclosure. No lameness or other abnormality were observed in the rabbit at the conclusion of the procedure or after it was back in its enclosure. The following day the rabbit was noted to have difficulty moving and was immediately examined by veterinary staff who determined the animal had paralysis and had no deep pain perception in both hind legs. Spinal fracture was diagnosed and the rabbit was euthanized.

The incident was reported to the IACUC by veterinary technical staff and an investigation was conducted. Although it could not be determined exactly how the spinal fracture happened, the IACUC concluded that it most likely happened during the routine procedure or when the rabbit was returned to its enclosure.

Per this Section of the Regulations, handling of animals shall be done as carefully as possible in a manner that does not cause trauma, behavioral stress, physical harm, or unnecessary discomfort.

The IACUC acted promptly to address this item by conducting an investigation, reporting the incident to OLAW and USDA, and swiftly implementing appropriate corrective actions to prevent any future incidents. Corrective actions included provided re-training of personnel in the restraint and handling of rabbits. No additional incidents have occurred.

Item (1) has been corrected.

(2) During the inspection of investigator laboratory space, laboratory personnel described the steps taken when the animals are brought to the laboratory. They stated that the gerbils (contained in an appropriate primary enclosure) are placed inside a cabinet for several minutes following the administration of injectable anesthetic while the drugs take effect. There were a variety of laboratory items stored inside the cabinet including containers of chemicals, gallon bottles of solutions, glassware, and other miscellaneous supplies.

Per this Section of the Regulations, handling of animals shall be done as carefully as possible in a manner that does not cause behavioral stress or unnecessary discomfort. It is not appropriate to place enclosures containing animals

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inside cabinets that are being used to store equipment and supplies. Animals should be housed in areas of the facility designated for animal housing that are kept neat and free of clutter, equipment and stored materials.

Item (2) was corrected prior to the end of inspection by the IACUC requiring the investigator to immediately discontinue the practice of placing gerbils inside the cabinet while the anesthetic drugs take effect and to put the animals in an area of the laboratory space designated and appropriately maintained for the temporary housing of animals.

3.125(a)

FACILITIES, GENERAL.

Indoor housing.

(1) On 7/9/14 facility personnel discovered a ferret dead in its enclosure and its cage mate was noted to be in respiratory distress. Veterinary staff immediately evaluated the ferret that was in respiratory distress and euthanized the animal. Upon being notified by veterinary services staff and in response to this incident, the IACUC determined that the bottom latch on the enclosure door had been properly secured but the top latch had not engaged. The failure of the door to be securely latched allowed the 2 ferrets to try to squeeze out of the partially latched door of the enclosure resulting in pulmonary damage in both ferrets.

Per this Section of the Regulations, indoor housing facilities should contain the animals and protect them from injury.

The IACUC acted promptly to address this item by conducting an investigation, reporting the incident to OLAW and USDA, and swiftly implementing appropriate corrective actions to prevent any future incidents. Corrective actions included modifying standard operating procedures (SOPs) pertaining to ferret caging, re-training of staff on the modified SOPs, and replacement of all ferret caging at the institution with a type of caging that had a different latching system.

This item has been corrected.

NOTE - Inspection conducted 4/14/15 thru 4/16/15. Exit interview held 4/16/15 on-site with facility representatives.

END OF REPORT

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Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
826	55-R-0004	001	DIVISION OF LABORATORY ANIMAL MEDICINE	14-APR-15

Count	Scientific Name	Common Name
000174	<i>Canis lupus familiaris</i>	DOG ADULT
000015	<i>Felis silvestris catus</i>	CAT ADULT
000006	<i>Gerbillus acticola</i>	BERBERA GERBIL
000014	<i>Muscardinus avellanarius</i>	HAZEL DORMOUSE
000002	<i>Oryctolagus cuniculus</i>	EUROPEAN RABBIT
000004	<i>Saimiri sciureus</i>	COMMON SQUIRREL MONKEY
000041	<i>Sus scrofa domestica</i>	DOMESTIC PIG / POTBELLY PIG / MICRO PIG
000256	Total	