



Inspection Report

UNIVERSITY OF MARYLAND BALTIMORE
10 S PINE ST. RM G-100, MSTF BLDG
BALTIMORE, MD 21201

Customer ID: 89

Certificate: 51-R-0018

Site: 001

VETERINARY RESOURCES

Type: ROUTINE INSPECTION

Date: 13-JUN-2023

2.31(d)(8)

Institutional Animal Care and Use Committee (IACUC).

On November 09, 2022, after a Post-Approval Monitoring (PAM) survey it was determined that the Principal Investigator used the saphenous vein for blood collection and infusion. The saphenous vein was not approved for use under Protocol SW-006. Members of the PAM survey group also identified that piglets in Experiment 1 did not receive the intravenous infusions of the test article after the first MRI.

After a Post Approval Mentoring (PAM) survey on February 3, 2023, members of the IACUC determined that the Principal Investigator did not follow protocol FE-006. The IACUC identified the following:

- Ferrets did not receive dexamethasone as described for surgical procedures in the approved protocol.
- Ferrets were administered ketamine and xylazine for anesthesia instead of sodium pentobarbital.
- Blood samples were not taken at P30 two hours after test article administration as described in the approved protocol.
- During terminal procedures, ferrets received isoflurane overdose followed by perfusion. According to the protocol, pentobarbital should be administered prior to perfusion.
- Three ferrets assigned to Protocol FE-006 were used under FE-008. The Principal Investigator did not transfer the three ferrets over to protocol FE-008. The procedures for the three ferrets were conducted on 01/20/23, 01/24/23, and 01/18/23 under protocol FE-008.

Proposed activities and proposed significant changes in ongoing activities that have been approved by the IACUC may be subject to further appropriate review and approval by officials of the research facility. However, those officials may not approve an activity involving the care and use of animals if it has not been approved by the IACUC.

Corrected before the time of inspection through corrective action plans and protocol amendments.

2.33(b)(3)

Attending veterinarian and adequate veterinary care.

During the inspection, inspectors noted that two pigs wearing jackets had red skin from rubbing at the leg opening of the jacket. Research staff indicated they reported the condition to the study director on June 7, 2023. The condition was not

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reported to the veterinary staff.

Corrected at the time of inspection through implantation of a treatment plan.

On 11/26/21 two pigs were with lesions on the cranial aspect of the front limbs above the elbow were reported to the veterinarian by an animal technician. The animal technician indicated there were issues with the fit and placement of the jackets. The fit of the jackets were causing erosions/ulcerations in the skin. Technicians started treatment for the pigs and contacted the laboratory staff. According to the lab staff member, they were aware of the problem and were watching the development of the lesions. They did not contact the clinical veterinarian for treatment.

The veterinarian prescribed a treatment plan that included pain medication and topical ointment. After review of the clinical notes for the lab staff, there is no documentation of the treatment for pig #529.

Corrected before the time of inspection through corrective action plan.

Daily observation of all animals to assess their health and well-being; provided, however that daily observation of animals may be accomplished by someone other than the attending veterinarian. A mechanism of direct and frequent communication is required so that timely and accurate information on problems of animal health, behavior, and well-being is conveyed to the attending veterinarian.

3.75(a) Critical

Housing facilities, general.

On November 22, 2022, a female baboon was able to break the wall anchor used to secure the primary enclosure to the wall. The female baboon was able to maneuver the enclosure to a neighboring male baboon's enclosure, resulting in injury to the male baboon's index finger on the right hand. The male baboon was immediately identified and sedated by the clinical veterinarian. It was determined that the fingernail was damaged and needed to be removed. The baboon was placed on antibiotics and analgesics and monitored until recovery.

On May 01, 2023, a female baboon came in direct contact with a baboon after the anchor used to secure the primary enclosure failed. According to medical records, the female baboon was sedated and reviewed by veterinary staff. A finger on the right hand was amputated. The baboon was placed on antibiotics and analgesics and monitored until recovery.

On July 28, 2022, male baboon presented to the clinical veterinarian with a bleeding finger. It was determined that the male baboon was able to move his cage because it was not secured to the wall per husbandry requirements. The male baboon was able to pull a female baboon's enclosure towards him and his hand was injured. The male baboon was sedated, and the left index finger was amputated. The baboon was placed on antibiotics and analgesics and monitored until recovery.

Housing facilities for non-human primate must be designed and constructed so that they are structurally sound for the species of nonhuman primates housed in them. They must be kept in good repair, and they must protect the animals from injury, contain the animals securely, and restrict other animals from entering.

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Corrected before the time of inspection through corrective action plan and removing and replacing failing anchors.

This inspection and exit interview were conducted with the facility representatives.

Additional Inspectors:

GLORIA MCFADDEN, VETERINARY MEDICAL OFFICER

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Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
89	51-R-0018	001	VETERINARY RESOURCES	13-JUN-2023

Count	Scientific Name	Common Name
000031	<i>Macaca mulatta</i>	RHESUS MACAQUE
000009	<i>Sus scrofa domestica</i>	DOMESTIC PIG / POTBELLY PIG / MICRO PIG
000053	<i>Papio anubis</i>	OLIVE BABOON
000033	<i>Mustela putorius furo</i>	DOMESTIC FERRET
000043	<i>Oryctolagus cuniculus</i>	DOMESTIC RABBIT / EUROPEAN RABBIT
000169	Total	