



Inspection Report

University Of California Davis
ONE SHIELDS AVE
DAVIS, CA 95616

Customer ID: **9192**
Certificate: **93-R-0433**
Site: 002
UNIVERSITY OF CALIFORNIA-
DAVIS

Type: FOCUSED INSPECTION
Date: 10-OCT-2023

2.33(b)(3) Critical

Attending veterinarian and adequate veterinary care.

Facility self-reported to Veterinary Medical Officers during inspection an incident that was still being reviewed. In late May of 2023, a 10-year-old overweight male macaque was moved from indoor housing to outdoor housing after attempted weight loss with reduced chow indoors was not successful. He was placed in an ~400 square foot enclosure with 14 juvenile macaques to facilitate increased movement and socialization, with sufficient food available at all times. While outside, daily observations were documented by the care and behavioral staff at least twice daily and the newly formed group was initially closely monitored for compatibility, with no issues identified. On August 22, 2023, the adult macaque was presented to the veterinarians by the staff that conducts the daily observations for concerns of lethargy, diarrhea, and possible weight loss. At that time he weighed 8.17kg representing significant weight loss over the 3 month period. The veterinarians initiated appropriate supportive care and diagnostics to address the weight loss but the macaque appeared to have entered a metabolic fatty liver syndrome and was humanely euthanized on August 23, 2023. A necropsy was performed and identified extensive liver and kidney amyloidosis, bronchopneumonia, and colitis but no specific cause was identified. Although daily observations were performed, the significant weight loss was not observed and therefore it was not conveyed to the veterinarians in a timely manner, resulting in humane euthanasia. Daily observations that effectively assess the health and well-being of the covered animals and convey timely and accurate information on health problems to the attending veterinarian is required under the Animal Welfare Act.

Correct by 30 October 2023

3.92(a)(1) Critical

Handling.

Facility self-reported at the time of this incident. On 12 May 2023, two rhesus macaques were taken to another building in a transportation van for a procedure. Both animals were enrolled in an approved IACUC protocol, and the practice of transporting two animals to imaging followed the facility procedures that had been in place for an extended period of time. Upon arrival at the facility, the staff left the heater on, as the external temperature was approximately 61 degrees F and took one monkey inside, while a geriatric female rhesus macaque was left in the van. During the anesthetized procedure, the first monkey had complications and the staff left the van unattended for longer than usual. The animal in the van was checked multiple times and on the second check, was found unresponsive and appropriate veterinary care was

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immediately initiated. Despite immediate cooling and resuscitative procedures, the temperature initially was consistent with hyperthermia and was stabilized to below normal within 90 minutes, but the animal never regained consciousness and was humanely euthanized. The heater in the van is not thermostatically controlled and the temperature rose over the course of the extended study in the first animal, resulting in hyperthermia in the monkey remaining in the van. The necropsy indicated significant comorbidities in the animal, but confirmed that the cause of death was likely heat related. The facility temporarily stopped transporting animals offsite and immediately stopped the practice of transporting two animals at a time. The particular van was taken out of use in order to measure the temperatures in similar conditions and heat was documented rapidly developing within the van, which likely exposed the animal to temperatures in excess of the regulatory standard of 85 degrees F for greater than 45 minutes. Temperature monitoring was initiated in the cargo area and thermostatically controlled heaters and air conditioning units are to be utilized in the future.

Corrected at the time of inspection.

This inspection and exit interview were conducted with IACUC and primate center staff.

Additional Inspectors:

Geoffrey Olsen, VETERINARY MEDICAL OFFICER

William Campbell, VETERINARY MEDICAL OFFICER

Eduardo Vivas, VETERINARY MEDICAL OFFICER

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Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
9192	93-R-0433	002	UNIVERSITY OF CALIFORNIA- DAVIS	10-OCT-2023

Count	Scientific Name	Common Name
000000	NONE	NONE
000000	Total	