



## Inspection Report

University Of California San Francisco  
U C S F Box 0547  
San Francisco, CA 94143

Customer ID: **9199**

Certificate: **93-R-0440**

Site: 001

THE UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

Type: ROUTINE INSPECTION

Date: 26-JUL-2017

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**2.31(d)(1) CRITICAL REPEAT**

**INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC).**

The Institutional Animal Care and Use Committee (IACUC) discussed three incidents that involved Principal Investigators (PIs) carrying out activities that did not conform to their approved protocols. At the time of this inspection, these incidents were reviewed by USDA / APHIS / Animal Care inspectors, and the following was determined:

1.) On protocol AN121408-01A involving swine, there was a procedure involving steam ablation of the gallbladder. The approved protocol called for four puffs of steam to be administered at one centimeter intervals. Animal number 6727 underwent this procedure on 7/9/16, but the medical records show that 200 puffs of steam were administered, which far exceeds the size of the gallbladder. The animal stopped eating, received appropriate supportive veterinary care, and was subsequently euthanized on 7/13/16. Necropsy showed that the stomach had been perforated.

2.) On 10/16/16 a pig, number 6737, on protocol AN136364-02 was taken for CT scan imaging under anesthesia, as per the approved protocol. The animal died while being returned to its enclosure following the procedure. The PI's team disposed of the carcass prior to finding out whether the veterinary staff wanted to carry out a necropsy, which could have helped to determine the cause of death. The IACUC reviewed this incident and counseled the PI. At the time of this inspection a further review revealed that the PI's team did not adhere to the approved protocol. The protocol called for one contrast material to be used, but on this animal both the conventional contrast material and the test material were given, for a total of three doses. This may have prolonged the time that the animal was under anesthesia, as the approved protocol stated that anesthesia would be approximately from one to three hours, but this animal died after four and a half hours of anesthesia. The IACUC was not fully informed by the PI regarding the deviation from the protocol that may have contributed to the animal's death.

3.) On protocol AN135213-01C involving voles, the PI had requested an amendment to his protocol to add a new procedure - a cranial surgery. The PI proceeded to do this surgery on two animals on 4/2/17, prior to IACUC approval. The small incisions on the head did not heal as expected, and the animals were euthanized once the unapproved activity was discovered by the veterinary staff.

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**Prepared By:** SMITH PAMELA, D V M USDA, APHIS, Animal Care

**Date:**  
06-SEP-2017

**Title:** VETERINARY MEDICAL OFFICER 6036

**Received by Title:** IACUC DIRECTOR

**Date:**  
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Failure to adhere to the IACUC approved protocol can have a serious animal welfare impact, as evidenced here in these cases. Significant changes cannot be made to the study protocol without IACUC approval. The Principal Investigators are responsible for ensuring that the procedures involving animals adhere to their approved protocols, in order to provide adequate oversight of the welfare of the animals on study. The IACUC must reinforce the importance of strictly adhering to approved protocols; Principal Investigators are responsible for ensuring that all members of their teams strictly adhere to procedures outlined in IACUC approved protocols. The IACUC must provide adequate oversight of animal activities in order to safeguard the welfare of animals on study.

This inspection was conducted at all UCSF sites with covered species on 7/26/17 and 7/27/17, and an exit interview with the inspectors and the facility representatives occurred on 7/27/17.

### Additional Inspectors

Frank Katharine, Veterinary Medical Officer

Schnell Michael, Veterinary Medical Officer

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## Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
9199	93-R-0440	001	THE UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	26-JUL-17

Count	Scientific Name	Common Name
000004	<i>Felis silvestris catus</i>	CAT ADULT
000021	<i>Macaca mulatta</i>	RHESUS MACAQUE
000058	<i>Mastomys coucha</i>	SOUTHERN MULTIMAMMATE MOUSE
000062	<i>Meriones unguiculatus</i>	MONGOLIAN GERBIL (COMMON PET / RESEARCH VARIETY)
000002	<i>Mesocricetus auratus</i>	SYRIAN / GOLDEN HAMSTER (COMMON PET/RESEARCH TYPE)
001669	<i>Microtus ochrogaster</i>	PRAIRIE VOLE
000168	<i>Microtus pennsylvanicus</i>	MEADOW VOLE
000005	<i>Mustela putorius furo</i>	DOMESTIC FERRET
000038	<i>Oryctolagus cuniculus</i>	DOMESTIC RABBIT / EUROPEAN RABBIT
000005	<i>Saimiri sciureus</i>	COMMON SQUIRREL MONKEY
000002	<i>Sus scrofa domestica</i>	DOMESTIC PIG / POTBELLY PIG / MICRO PIG
<b>002034</b>	<b>Total</b>	