



DEPARTMENT OF HEALTH & HUMAN SERVICES

PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH

FOR US POSTAL SERVICE DELIVERY:

Office of Laboratory Animal Welfare
Rockledge One, Suite 360
6705 Rockledge Drive - MSC 7982
Bethesda, Maryland 20892-7982
Home Page: <http://grants.nih.gov/grants/olaw/olaw.htm>

FOR EXPRESS MAIL:

Office of Laboratory Animal Welfare
Rockledge One, Suite 360
6705 Rockledge Drive
Bethesda, Maryland 20817
Telephone: (301) 496-7163
Facsimile: (301) 402-7065

February 20, 2018

Re: Animal Welfare Assurance
A4366-01 [OLAW Case Y]

Dr. Ron Otten
Deputy Associate Director for Science
Centers for Disease Control
1600 Clifton Road NE, (b)(6)
Atlanta, GA 30333

Dear Dr. Otten,

The Office of Laboratory Animal Welfare (OLAW) acknowledges receipt of your February 5, 2018 letter reporting an adverse event involving mice at CDC-Ft. Collins. According to the information provided, OLAW understands that one mouse died and three required euthanasia following administration of xylazine/ketamine. The three mice were euthanized because they never recovered from the anesthetic. Although the dosage had been approved in the protocol, the mice were smaller than usual and had not been given thermal support.

The corrective action consisted of amending the protocol to reflect reducing the amount of anesthetic and keeping the mice warm while anesthetized.

Based on its assessment of this explanation, OLAW understands that measures have been implemented to correct and prevent recurrence of the problem. OLAW concurs with the actions taken by the institution to comply with the PHS Policy on Humane Care and Use of Laboratory Animals.

Sincerely,

Axel Wolff, M.S., D.V.M.
Deputy Director
Office of Laboratory Animal Welfare

cc: IACUC Chair



Centers for Disease Control and Prevention
Division of Vector-Borne Diseases
3156 Rampart Road
Fort Collins, CO 80851
970-221-6400

MEMORANDUM

To: Ron Otten, PhD
Deputy Associate Director for Science
Institutional Official

From: Amy Ullmann, Ph.D.
Chairperson, CDC-Fort Collins Institutional Animal Care and Use
Committee

Subject: Unexpected mouse deaths - anesthesia, November, 2017

Date: February 5, 2018

CC:

Ronald Otten
-S
Digitally signed by Ronald
Otten -S
Date: 2018.02.15 12:26:06
-05'00'

(b)(6)

DVBD Institutional Animal Care and Use Committee (IACUC)

This memorandum is to inform you of one SCID mouse death, and three SCID euthanasias that were reported to the IACUC office on November 10, 2017. The death of one mouse was discovered on November 10, 2017 approximately 1 hour after administration of a xylazine/ketamine anesthetic cocktail. One additional mouse did not regain ambulation by approximately 24 hours after anesthesia was administered and was euthanized. Two additional mice were still in poor condition approximately 48 hours after anesthesia, so they were euthanized. The mice received a dose of the anesthetics at the level specified in the protocol.

An e-mail report to the IACUC Administrator/Compliance Officer was received from the PI on November 10 and 12, 2017.

The DVBD IACUC met on December 12, 2017 where the report of the deaths were reviewed and discussed. The AV suggested lowering the dose of ketamine and xylazine in the cocktail as the SCID mice were smaller along with utilizing a method to keep the mice warm while under anesthesia. The IACUC requested that the PI submit a protocol amendment for the reduced doses along with warming the mice. The amendment was submitted and approved. This was determined to be reportable to OLAW. This falls under the OLAW guidance that unexpected deaths, in this case due to poor recovery from anesthesia most likely due to too high of a dose, be reported.

Morse, Brent (NIH/OD) [E]

From: OLAW Division of Compliance Oversight (NIH/OD)
Sent: Thursday, February 15, 2018 1:16 PM
To: Otten, Ronald A. (Ron) (CDC/OD/OADS); OLAW Division of Compliance Oversight (NIH/OD)
Cc: Ullmann, Amy J. (b)(6)
(b)(6)
(b)(6) Otten, Ronald A. (Ron)
(CDC/OD/OADS)
Subject: RE: Non-compliance report - CDC-Ft Collins (Assurance # A4366-01)

Thank you for this report Dr. Otten. We will send an official response soon.

Regards, Brent Morse

Brent C. Morse, DVM, DACLAM
Acting Director
Division of Compliance Oversight
Office of Laboratory Animal Welfare
National Institutes of Health

Please note that this message and any of its attachments are intended for the named recipient(s) only and may contain confidential, protected or privileged information that should not be distributed to unauthorized individuals. If you have received this message in error, please contact the sender.

From: Otten, Ronald A. (Ron) (CDC/OD/OADS) (b)(6)
Sent: Thursday, February 15, 2018 12:28 PM
To: OLAW Division of Compliance Oversight (NIH/OD) <olawdco@od.nih.gov>
Cc: Ullmann, Amy J. (b)(6)
(b)(6)
(b)(6) Otten, Ronald A. (Ron)
(CDC/OD/OADS) (b)(6)
Subject: Non-compliance report - CDC-Ft Collins (Assurance # A4366-01)

Dear Dr. Morse and colleagues,
Please find a report for a noncompliance incident at CDC-Ft. Collins.
Thank you,
Ron