



DEPARTMENT OF HEALTH & HUMAN SERVICES

PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH

FOR US POSTAL SERVICE DELIVERY:

Office of Laboratory Animal Welfare
6700B Rockledge Drive, Suite 2500, MSC 6910
Bethesda, Maryland 20892-6910
Home Page: <http://grants.nih.gov/grants/olaw/olaw.htm>

FOR EXPRESS MAIL:

Office of Laboratory Animal Welfare
6700B Rockledge Drive, Suite 2500
Bethesda, Maryland 20817
Telephone: (301) 496-7163
Facsimile: (301) 480-3387

October 7, 2022

Re: Animal Welfare Assurance
A3368-01 [OLAW Case 12F]

Dr. Nadine Connor
Associate Vice Chancellor for Research Policy and Compliance
University of Wisconsin - Madison
(b) (4) Bascom Hall – 500 Lincoln Drive
Madison, WI 53706

Dear Dr. Connor,

The Office of Laboratory Animal Welfare (OLAW) acknowledges receipt of your September 23, 2022 letter reporting an adverse event involving research rats at the University of Wisconsin- Madison, following up on an initial telephone report on August 31, 2022. According to the information provided, OLAW understands that three rats died unexpectedly while under gas anesthesia for imaging.

The corrective actions consisted of the investigator consulting with a veterinary anesthesiologist who recommended improving thermal support and enhancing the heart rate monitoring during the procedure.

Based on its assessment of this explanation, OLAW understands that measures have been implemented to 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. Feel free to update this Office on the outcome of the next procedure using the recommended improvements.

Sincerely,

(b) (6)

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

cc: IACUC Chair



Research Animal Resources and Compliance

A3368-12F

September 23, 2022

Dr. Brent Morse, DVM, DACLAM
Director, Division of Compliance Oversight
Office of Laboratory Animal Welfare
National Institutes of Health
RKL1, Suite 360, MSC 7982
6705 Rockledge Drive
Bethesda, MD 20892-7892

Dear Dr. Morse:

The University of Wisconsin-Madison, in accordance with Assurance A3368-01 and PHS Policy IV.F.3, provides this report of an adverse event first reported to you via telephone by Dr. Janet Welter on August 31, 2022.

In this adverse event, while under isoflurane sedation for PET imaging, three rats developed arrhythmias and expired despite elimination of isoflurane in favor of pure oxygen. Following consultation with a veterinary anesthesiologist, preventative actions have been taken. These include improved temperature maintenance during imaging using an IR pad-based warming system, improved heart rate monitoring during imaging using a new system that is capable of measuring heart rates up to 900 bpm and plans to maintain rats' heart rate as high as possible while still keeping them unconscious during imaging. The animals involved were supported by PHS funds.

The LSVC ACUC discussed this incident in full committee and determined that the corrective steps taken were appropriate. If you have further questions, please feel free to contact either of us or Dr. Janet Welter.

Sincerely,

(b) (6)

Ricki Colman, Ph.D.
Chair, LSVC ACUC

(b) (6)

Nadine P. Connor, Ph.D.
Associate Vice Chancellor for Research Policy & Compliance
Institutional Official

xc: (b) (6)
Janet Welter
AAALAC-I

Research Animal Resources and Compliance

396 Enzyme Institute University of Wisconsin-Madison 1710 University Avenue Madison, Wisconsin 53726-4087
608/262-1238 Fax: 608/265-2698 Email: help@rarc.wisc.edu <http://www.rarc.wisc.edu>

McCoy, Devora (NIH/OD) [E]

From: (b) (6)
Sent: Thursday, September 29, 2022 10:41 AM
To: OLAW Division of Compliance Oversight (NIH/OD)
Cc: AAALAC International; Nadine Connor; (b) (6) Janet Welter; RICKI COLMAN
Subject: [EXTERNAL] Incident Report from Nadine Connor @ UW-Madison
Attachments: LSVC.5.24.22.A.pdf; LSVC.5.24.22B.pdf; LSVC.5.24.22.C.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Dr. Morse:

Please see the attached incident final reports from Nadine Connor @ UW-Madison. Thanks!

(b) (6)

McCoy, Devora (NIH/OD) [E]

From: OLAW Division of Compliance Oversight (NIH/OD)
Sent: Thursday, September 29, 2022 11:15 AM
To: (b) (6)
Cc: OLAW Division of Compliance Oversight (NIH/OD)
Subject: RE: Incident Report from Nadine Connor @ UW-Madison

Good morning (b) (6)

Thank you for sending us these final reports and we will send official responses soon.

Best,
Devora

Devora McCoy, BS, MBA
Program Analyst
Division of Compliance Oversight
Office of Laboratory Animal Welfare
National Institutes of Health
301-435-2390

From: (b) (6)
Sent: Thursday, September 29, 2022 10:41 AM
To: OLAW Division of Compliance Oversight (NIH/OD) <olawdco@od.nih.gov>
Cc: AAALAC International <accredit@AAALAC.org>; Nadine Connor <nadine.connor@wisc.edu>; (b) (6)
(b) (6) Janet Welter <welter@rarc.wisc.edu>; RICKI COLMAN <rcolman@primate.wisc.edu>
Subject: [EXTERNAL] Incident Report from Nadine Connor @ UW-Madison

Dr. Morse:

Please see the attached incident final reports from Nadine Connor @ UW-Madison. Thanks!

(b) (6)



Initial Report of Noncompliance

By: BCM

Date: 8/31/2022

Time: 3:30

Person Reporting: Janet Welter, AV

Telephone #: (b) (6)

Fax #:

Email:

Name of Institution: Univ. of Wisconsin (Madison)

Assurance number: A3368

Did incident involve PHS funded activity? _____

Funding component: _____

Was funding component contacted (if necessary): _____

What happened: Two rats reported as "dying" under anesthesia for imaging in May 2022.
Happened again in June after retraining with vet.

Species involved: Rat

Personnel involved: Researcher

Dates and times: May/June 2022

Animal deaths:

Projected plan and schedule for correction/prevention (if known): _____

Projected submission to OLAW of final report from Institutional Official:

< 60 days

OFFICE USE ONLY

Case # _____