



DEPARTMENT OF HEALTH & HUMAN SERVICES

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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) 402-7065

January 13, 2020

Re: Animal Welfare Assurance
#A3596-01 (OLAW Case 3LJ)

Dr. Harry Orf
Senior Vice President for Research
Massachusetts General Hospital
(b) (4) 55 Fruit Street
Boston, MA 02114

Dear Dr. Orf,

The Office of Laboratory Animal Welfare (OLAW) acknowledges receipt of your December 20, 2019 letter describing an adverse event at your institution, which had been preceded by a preliminary report to OLAW on November 25, 2019. According to the information provided, our office understands that on November 18, 2019 one primate was found dead and the other had sustained injuries consistent with a fight. The primate pair had been stable up to this point in time.

In response to this incident, the Attending Veterinarian treated the remaining animal's injuries, performed a necropsy of the dead animal, performed a records review, interviewed care staff and checked for any building changes or disruptions. No potential triggers or abnormalities were discovered upon this review that would have signaled the likelihood of aggression.

OLAW concurs with the actions taken by your institution to comply with the PHS Policy on Humane Care and Use of Laboratory Animals. While there is risk of aggression anytime animals are cohoused, OLAW recognizes that the benefits of pair or group housing to the welfare and wellbeing of highly social primate species outweigh the risk of injury, which is normally minimal in stable pairs. We appreciate having been informed of this matter and at this time find no cause for further action by this Office. Sincerely,

Sincerely,

(b) (6)

Nicolette Petervary, VMD, DACAW
Animal Welfare Policy Specialist
Office of Laboratory Animal Welfare

cc: IACUC Contact

Dr. Robert Gibbens, Director, Animal Welfare Operations, USDA APHIS Animal Care



MASSACHUSETTS
GENERAL HOSPITAL

RESEARCH INSTITUTE

55 Fruit Street, Bul 240E
Boston, MA 02114-2696
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HARVARD
MEDICAL SCHOOL

Harry W. Orf, Ph.D.
Senior Vice President for Research
Massachusetts General Hospital
Principal Associate in Genetics
Harvard Medical School

December 20, 2019

Brent Morse, DVM
Acting Director, Division of Compliance Oversight
Office of Laboratory Animal Welfare
National Institutes of Health
Rockledge 1, Room 3615, MSC 7982
6705 Rockledge Drive
Bethesda, MD 20892-7982

Subject: Unanticipated Event
Institution: The Massachusetts General Hospital
Animal Welfare Assurance #: D16-00361 (A3596-01)

Dear Dr. Morse:

This letter is to provide you with a final report following a preliminary report submitted by phone call to OLAW by Dr. Donna Jarrell, MGH Attending Veterinarian on November 25, 2019. The incident reported involved a stable NHP housing pair.

The two animals were received as a stable pair from the vendor in August 2019 and were continuously housed as a stable pair at our quarantine site with no signs of aggression observed. The animals were moved to our research campus in October 2019 and were maintained in a pair housing arrangement, again with no reported concerns. On the morning of November 18, one NHP was found dead in the cage during AM checks by the animal care staff due to what appeared to be an apparent fight. The Attending Veterinarian (AV) was immediately alerted when the animal was found. The AV conducted a full investigation including record and social housing history review. She conducted interviews with the Nov 15-17 weekend husbandry staff to ensure that all standard husbandry practices were followed and that there was no indication of any behavioral changes indicative of aggression. The building/facility department confirmed there were no power disruptions, changes in light cycles or other environmental factors (noise or vibrations) from the last care staff observations to the time that the animal was found that could have triggered this event. Lastly a review of the facility access data confirmed that no one accessed the facility the evening of Nov 17th. A necropsy was performed and histopathology results confirm that the cause of death was the result of deep trauma. The second animal was treated for injuries, provided analgesics and antibiotics and remains singly-housed. He will remain singly-housed in preparation for the next study phase which has a social housing exemption.

This incident and the overall NHP social housing failures data was presented by the AV to the convened IACUC. The institution has documentation of socially housing for more than 1000 NHPs with no history of this level occurring in more than 17 years. Communications with relevant regulatory oversight agencies

was also shared. The AV determined that this was an unexpected and very unfortunate event with no risk factors or "red flags" that could have been used to anticipate or prevent the event. The institution reimbursed the investigator for the loss of the animal.

The Massachusetts General Hospital is committed to protecting the welfare of animals used in research and appreciates the guidance and assistance provided by OLAW in this regard. Should you have any questions regarding this report, please contact me at your convenience.

Sincerely,

(b) (6)

Harry W. Orf, PhD
Senior Vice President for Research
Institutional Official
The Massachusetts General Hospital

Cc: W. Zapol MD, Chair, Institutional Animal Care and Use Committee
Cc: A. Clancy PhD, Director, Animal Welfare Assurance
Cc: D. Jarrell DVM, Attending Veterinarian and Director, Center for Comparative Medicine

Petervary, Nicolette (NIH/OD) [E]

From: Petervary, Nicolette (NIH/OD) [E]
Sent: Friday, December 20, 2019 11:00 AM
To: Clancy, Anne; OLAW Division of Compliance Oversight (NIH/OD)
Cc: Orf, Harry W., Ph.D.; Jarrell, Donna M.
Subject: RE: final report on adverse event

Thank you very much Dr. Clancy. We will send a response soon.

Kind regards,
-Nicolette

From: Clancy, Anne <ACLANCY1@mgh.harvard.edu>
Sent: Friday, December 20, 2019 9:50 AM
To: Petervary, Nicolette (NIH/OD) [E] <nicolette.petervary@nih.gov>; OLAW Division of Compliance Oversight (NIH/OD) <olawdco@od.nih.gov>
Cc: Orf, Harry W., Ph.D. <HORF@mgh.harvard.edu>; Jarrell, Donna M. <DJARRELL@mgh.harvard.edu>
Subject: RE: final report on adverse event

Dear Dr. Petervary,
Please find attached the final report as requested. This is submitted on behalf of Dr. Orf, copied here.

Please let me know if there are questions or concerns about this report.

Regards-
Anne

Anne Clancy, PhD | Director | Office of Animal Welfare Assurance
Massachusetts General Hospital Research Institute
(b) (4) | 149 13th Street | Charlestown, MA 02129
(b) (6) (desk) | (b) (6) (cell)
aclancy1@mgh.harvard.edu

For 24/7 assistance with critical research matters, call 617-726-HOW2 (4692)

Have an idea or a suggestion on how we can improve? Please submit a suggestion to [Isuggest!](#)

Upcoming ET: December 23rd - 27th

From: Petervary, Nicolette (NIH/OD) [E] <nicolette.petervary@nih.gov>
Sent: Monday, December 16, 2019 2:28 PM
To: Clancy, Anne <ACLANCY1@mgh.harvard.edu>
Subject: RE: final report on adverse event

External Email - Use Caution

Thank you!

Kind regards,
-Nicolette

From: Clancy, Anne <ACLANCY1@mgh.harvard.edu>
Sent: Monday, December 16, 2019 2:27 PM
To: Petervary, Nicolette (NIH/OD) [E] <nicolette.petervary@nih.gov>
Subject: RE: final report on adverse event

Dear Dr. Petervary,
Thank you for the reminder. The convened IACUC is reviewing this incident this week and a final report will be submitted shortly after that.

Thank you-
Anne

Anne Clancy, PhD | Director | Office of Animal Welfare Assurance
Massachusetts General Hospital Research Institute
(b) (4) | 149 13th Street | Charlestown, MA 02129
(b) (6) (desk) | (b) (6) (cell)
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For 24/7 assistance with critical research matters, call 617-726-HOW2 (4692)

Have an idea or a suggestion on how we can improve? Please submit a suggestion to [Isuggest!](#)
[Isuggest!](#)

Upcoming ET: December 23rd - 27th

From: Petervary, Nicolette (NIH/OD) [E] <nicolette.petervary@nih.gov>
Sent: Monday, December 16, 2019 1:26 PM
To: Clancy, Anne <ACLANCY1@mgh.harvard.edu>
Subject: final report on adverse event

External Email - Use Caution

Hi Dr. Clancy
This is a friendly reminder that we will need a final report for the incident reported on 11/25/19 by Dr. Jarrell
Thanks very much.

Kind regards,
-Nicolette

Nicolette Petervary, VMD, DACAW
Animal Welfare Policy Specialist
Division of Policy and Education
National Institutes of Health, Office of Laboratory Animal Welfare
6700B Rockledge Drive
Bethesda, MD 20892

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Initial Report of Noncompliance

By: *aw*

Date: *11/25/19*

Time: *8:15*

Name of Person reporting: *Dr Donna Jamale*

Telephone #: *(b) (6)*

Fax #:

Email:

Name of Institution: *Mass General Hosp*

Assurance number: *A3596*

Did incident involve PHS funded activity? _____

Funding component: _____

Was funding component contacted (if necessary): _____

What happened?

Pair of cynos fought + 1 died. Breakdown of social bond

Species involved: *Cynomolgus Monkey*

Personnel involved:

Dates and times:

Animal deaths: *1*

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

Intense pairing program. No action taken for unforeseen accident

Projected submission to OLAW of final report from Institutional Official:

OFFICE USE ONLY

Case # _____