

**UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL
INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE**

Minutes from Monday, June 21, 2021

Present: MG (Chair), GD (Member – AV), OK (Member), LL (Member), DH (Member, Non-affiliate), CP (Member), RR (Member, Non-scientist), MR (Member), LS (Member – vet), RZ (Member), EL (Alternate), HS (Alternate Member)

Non-Members Present: CM (IACUC/IBC Director), EN (Sr. Protocol Specialist), DS (Research Compliance Specialist), SC (IACUC Admin), GC (Guest)

Absent: NH (Member), DG (Member - Vice Chair), HK (Member), GM (Member), GP (Member), CT (Member), LS (Alternate Member), AS (Alternate- Non-scientist), YW (Alternate Member), YXW (Alternate Member), JC (Associate Director-Animal Medicine, Alternate)

This meeting was called to order by the Chair at 3:06 PM

The meeting was adjourned at 4:14PM

1. Protocols for Review

a. PROTO202100121 (New)

A new core protocol was distributed for review prior to the meeting. Administrative and veterinary pre-review comments were responded to by the PI before the meeting. The operations of the core were discussed and there were no concerns.

A motion was made to approve the new protocol PROTO202100121.

Moved, seconded, and voted unanimously to approve the new protocol PROTO202100121.

b. A-2207-19 (AR2)

The second annual renewal form was distributed for review prior to the meeting. This is a USDA annual renewal on a protocol that had no adverse events.

A motion was made to approve the second annual renewal of protocol A-2207-19.

Moved, seconded, and voted unanimously to approve the second annual renewal of Protocol A-2207-19.

c. A-2184-19 Major Amendment

The major amendment was distributed for review prior to the meeting. This amendment involved a 10% increase in guinea pigs.

A motion was made to approve the Major Amendment of protocol A-2184-19.

Moved, seconded, and voted unanimously to approve the Major Amendment of protocol A-2184-19.

d. A-2551-19 Surgeon Form

Two surgeon forms were distributed to members prior to the meeting for review. Training and experience were evaluated by the committee. Completion of an aseptic training course was pending for one individual. The committee recommended approval of the surgeon forms, pending completion of training.

*A motion was made to approve the surgeon addition to A-2551-19.
Moved, seconded, and voted unanimously to approve the surgeon addition to A-2551-19.*

e. PROTO202000056 (AR1)

The first annual renewal form was distributed for review prior to the meeting. It was noted that no animals were used over the course of the year.

*A motion was made to approve the first annual renewal for PROTO202000056.
Moved, seconded, and voted unanimously to approve the first annual renewal for PROTO202000056.*

f. PROTO202000071 (AR1)

The first annual renewal form was distributed for review prior to the meeting. It was noted that there was a prior adverse event which was evaluated and addressed by the IACUC at the time of the incident. DS (Research Compliance Specialist) and JC (Veterinarian) provided an update of the research activities from this laboratory and reported no concerns.

*A motion was made to approve the first annual renewal for PROTO202000071.
Moved, seconded, and voted unanimously to approve the first annual renewal for PROTO202000071.*

g. PROTO202000108 Major Amendment (PI change)

The major amendment was distributed for review prior to the meeting. There were no questions or concerns.

*A motion was made to approve the Major Amendment of PROTO202000108.
Moved, seconded, and voted unanimously to approve the Major Amendment of PROTO202000108.*

h. A-1098-19 (AR2)

The second annual renewal form was distributed for review prior to the meeting. It was noted that this is a training program, and the course was not offered over the past year.

*A motion was made to approve the second annual renewal for A-1098-19.
Moved, seconded, and voted unanimously to approve the second annual renewal for A-1098-19.*

2. Educational Material: The following material was provided prior to the meeting and discussed:
Under construction: how to deal with noise and vibration in the animal facility?

https://olaw.nih.gov/sites/default/files/lab49_10_1020.pdf

LAB ANIMAL | VOL 49 | OCTOBER 2020 | 269–271 |

3. Department of Animal Medicine Operations Update

*EL Joined the meeting

- a. A mitigation plan was established by GD (AV) to account for possible interruptions in animal research activities during upcoming phases of construction. The IACUC evaluated the plan to submit to the IO. GD reported that the IO already approved funds for advanced monitoring equipment and vibration dampening devices and agreed that daily monitoring updates should be provided to Department of Animal Medicine.

- b. Animal Medicine created a document to provide guidance on breeding practices.
- c. CM (IACUC/IBC Director) inquired about reports of intermittent back-orders of sodium pentobarbital. To account for this, veterinarians may provide alternative methods of euthanasia during protocol review, as needed.

4. Announcements and Discussion

- a. Semi-annual IACUC inspection assignments were sent to IACUC members.
- b. The Program Review subcommittee was established and convened on May 24, 2021. It included four IACUC members and the IACUC Office Staff. The OLAW and DoD checklists formed the basis of the program review. CM (IACUC/IBC Director) presented the specifics of the report. No deficiencies were identified.

A motion was made to approve the Program Review Report to become part of the semi-annual report.

Moved, seconded, and voted unanimously to approve the Program Review Report to become part of the semi-annual report.

5. Protocol Violations & Adverse Events

- a. A-2657-19
One mouse did not recover from sedation after a procedure. 396 mice have been used for these studies and successfully recovered. The laboratory lowered the dose of ketamine to avoid recurrence. The IACUC discussed the incident and determined that the loss of a single animal due to an anesthetic complication was considered to be within the anticipated range for this procedure. There were no further IACUC concerns regarding this outcome. The change in dose is a protocol noncompliance that did not impact animal health or welfare. As a corrective action, CM (IACUC/IBC Director) met with the PI to retrain on protocol adherence. The PI will use the approved dose of ketamine until the protocol has been amended. The PI also met with her laboratory to discuss the incident and retrain on protocol compliance. No further corrective actions were required.

A motion was made to approve the Corrective Action Plan for A-2657-19.

Moved, seconded, and voted unanimously to approve the Corrective Action Plan for A-2657-19.

- b. PROTO201900301
On 5/27/2021, two rats were scheduled for survival surgery. During the procedure, there was a technical complication that did not impact animal health or well-being but would have impacted the outcome of the study. The rats under isoflurane anesthesia were euthanized by an isoflurane overdose. A veterinary staff member observed the procedure and reported concerns to the IACUC related to the possible protocol noncompliance. The details of the report were discussed by the IACUC.

The PI was notified of the concerns and was scheduled to meet with the IACUC Chair and Director on 6/22/2021 to discuss details of the report.

As an immediate action, the PI submitted an amendment to the protocol to include isoflurane overdose as a method of euthanasia and non-survival surgery as part of the training plan for surgical procedures. The IACUC Chair and Director will meet with the PI and research staff on 6/22/2021 to discuss the incident and protocol adherence. The IACUC was satisfied with the corrective actions and had no further concerns.

*A motion was made to approve the Corrective Action Plan for PROTO201900301
Moved, seconded, and voted unanimously to approve the Corrective Action Plan for PROTO201900301.*

6. Consent Agenda

- a. 1.02: “Food and Fluid Regulation and Restriction”: This policy was sent to IACUC members for review prior to the meeting and the discussion was tabled until the next IACUC meeting.
 - b. 6.02: “Lateral Tail Vein Blood Collection in Mice or Rats”: This policy was sent to IACUC members for review prior to the meeting and the discussion was tabled until the next IACUC meeting.
 - c. 6.03: “Retro-orbital Blood Collection in Mice or Rats”: This policy was sent to IACUC members for review prior to the meeting and the discussion was tabled until the next IACUC meeting.
 - d. 6.19: “Optical Imaging Core Facility”: This policy was sent to IACUC members for review prior to the meeting and the discussion was tabled until the next IACUC meeting.
7. A list of protocol of protocols approved by DMR between 5/14/2021 and 6/15/2021 were reviewed by the IACUC and include 11 major amendments, new protocols, and 3-year renewals.
 8. The May meeting minutes were sent to the IACUC for review prior to the meeting. The minutes were brought to the attention of the members and there were no concerns.

*A motion was made to approve the May 17, 2021 meeting minutes.
Moved, seconded, and voted unanimously to approve the May 17, 2021 meeting minutes.*

