

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE MEETING
Zoom Teleconference
October 20, 2021
2:00pm

VOTING MEMBERS PRESENT

Dr. Ed Heist
Dr. Erin Perry
Dr. Agustin Jimenez-Ruiz
Dr. James Lovvorn
Dr. Jennifer Harris
Dr. Lydia Arbogast
Ms. Debbie Simpson
Ms. Liz Gersbacher
Dr. Karen Jones, Chair
Dr. Ami Ruffing
Ms. Amanda Ingram (alternate for Dr. Vjollca Konjufca)

VISITORS

Ms. Chris Massey
Mr. Coby Nordstrom
Dr. Joe Cheatwood

CALL TO ORDER AND OPENING REMARKS

Dr. Jones called the meeting to order at 2:00 pm, welcoming all members and alternates, and stating that we had a full agenda for the meeting.

REPORT OF ANIMAL ILLNESSES/ISSUES – DR. HARRIS

Calf 126 is currently being bottle fed after their mother lost interest in them at one month.

Calf 138 was missing an ear tag. When the tag was replaced they were found to have devitalized dorsal skin and a maggot infestation. Calf 138 is currently receiving wound therapy and medication while being closely monitored. They have intermittent fever and skin sloughing off their back but are eating and drinking and otherwise doing well.

A severely colicky mare was discovered on Sunday and hospitalized. Surgical intervention was first performed by Dr Griffin, then by Dr Hicks in Paducah, but ultimately the mare was euthanized. A necropsy revealed the cause of the colic was a strangulating lipoma causing bowel blockage.

A Mare who was trimmed to close by an alternate farrier, was treated and recovered. The primary farrier has returned to work after being sick.

Cow E83 was found dead on Sunday. Her Death is assumed to be from infection. Her calf 142 is currently housed with Calf 126 and is doing well

Many of the hens received from UIUC did not handle the transition well due to their advanced age and subsequently became recumbent. Dr. Henry evaluated the affected hens and they were ultimately euthanized.

A naked mole rat (NMR) was examined for being small and weak, with respiratory and skin issues. Empirical treatment of this NMR and two of his companions is planned; with testing for mycoplasma pulmonis for the respiratory issue; and testing for dermatophyte (ringworm) for the skin issues.

Calf 143 was born unable to stand and his mother (Cow 530) was uninterested in him. He was bottle fed by farm staff and suckled well. He was also placed in a sling to encourage his leg use. Eventually he was able to ambulate on his own and was showing progress when he was found dead. Dr Harris performed a necropsy on the calf which revealed severe pneumonia, despite no cough, lethargy, in appetite, or fever.

8 sows will arrive by transport today and will farrow this weekend.

Dr. Ruffing expressed concern about the sows being moved so close to birth and that it might be harmful to the sows and their babies. Dr. Jones opened up the floor to comments as to whether it was appropriate for IACUC to make recommendations.

Dr. Perry shed some light on the history of sow transport and that it has more to do with the constraints and conventions around buying and selling of animals and how those time frames may be the cause of movement so close to birth.

Dr. Perry also wondered if there was a quarantine time for imported animals and whether that could be used to enforce less movement of animals

APPROVAL OF MINUTES OF MEETING ON SEPTEMBER 15, 2021

Dr. Jones asked for comments on, or corrections to, the minutes of September 15. It was noted by the committee that the date on the minutes was wrong – it read August 18th.

Dr. Heist moved that the minutes be approved with the correction in the date noted. Dr. Jimenez seconded the motion.

Total Voting = 11; Vote: For = 11, Opposed = 0, Abstained = 0

REVIEW OF NEW PROTOCOLS BY FULL COMMITTEE

21-030, *The Impact of Stress on Neuronal Plasticity, Network Activity, and Behavior* by Jacob Nordman

Discussion

The Primary Investigator (PI) Jacob Nordman arrived at the meeting to provide an overview of his study and to answer questions any questions from the committee

Dr. Perry asked for clarification about the lack of additional staff in the protocol at present. Lydia Arbogast responded saying she is working with The PI to recruit students who will become staff for the study

Dr. Jones asked for clarification about the funding source for the study since no grants were listed. The PI responded saying the funding source for the time being was startup money.

Dr. Ruffing asked for clarification about the use of rabies virus in the study. The PI responded saying that the inclusion of Rabies in his submittal was an oversight and no rabies virus will be used in the study.

Dr. Ruffing asked for clarification about what defines Aggression Testing in the context of the study, since a number of terms were used in the protocol to define it.

Dr. Lovvorn asked for clarification about MFH and CITI training completion and The PI responded he had completed both this physical, vaccinations, and required training.

Dr. Ruffing asked for clarification about the whether the mice used in the study will be housed in LS II or LS III, since LS II currently doesn't have an operational autoclave in the basement. If the animals were to be housed in LS II, there could be a potential biosafety concern since some of the lab animals will be inoculated with viruses, and items such as bedding and other materials will have to be transported to LS III to be placed in an autoclave.

Dr. Jones asked for clarification about the strains of mice and what each is used for. The PI provided an overview of the different types of knockout mice used slc-17A, slc-16A, FOST-N2 track mice

Dr. Perry made a motion that the questions should be sent to the PI, and the replies sent to designated members for approval. Dr. Arbogast seconded the motion.

Dr Jones asked for the Designated Member Reviewers to self-nominate. She nominated herself and Dr. Arbogast also self-nominated.

Total Voting = 11; Vote: For = 11, Opposed = 0, Abstained = 0

21-032, *BAT 508 – Teaching Operant Conditioning in Rats* by **Camilo Hurtado-Parrado**

Discussion

The Primary Investigator (PI) Camilo Hurtado-Parrado did not attend the meeting.

Dr. Arbogast asked for clarification about who will feed the animals over the holiday and Amanda responded saying Life Science Staff will feed the animals over the holiday break with portions measured out by Camilo.

Dr. Arbogast made a motion that the questions should be sent to the PI, and the replies sent to designated members for approval. Dr. Perry seconded the motion.

Dr Jones asked for the Designated Member Reviewers to self-nominate. Dr. Perry and Ms. Ingram self-nominated.

Total Voting = 11; Vote: For = 11, Opposed = 0, Abstained = 0

[Dr. James Lovvorn left group at 2:52 PM]
[Joe Cheatwood joined the group at 2:58 PM]

REVIEW OF RESUBMITTED PROTOCOLS BY FULL COMMITTEE

21-024, *Teaching ANS 123, Livestock Practicum – Horse* by **Eduardo Gastal**

Dr. Perry requested that any animals who will receive either analgesia or anesthesia should be counted in group D since they will undergo stress necessary for the administration of analgesic drugs.

Dr. Ruffing made a motion that the questions should be sent to the PI, and the replies sent to designated members for approval. Dr. Perry seconded the motion.

Dr. Jones asked for the Designated Member Reviewers to self-nominate. Dr. Perry and Ms. Simpson self-nominated.

Total Voting = 11; Vote: For = 11, Opposed = 0, Abstained = 0

OTHER BUSINESS

Dr. Ruffing discussed results of semiannual facilities inspection and program review provided an overview of the itinerary for the upcoming AAALAC site visit and invited the committee to participate if they are able.

The meeting was adjourned at 3:31 pm.