

**INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE MEETING**  
**Zoom Teleconference**  
**August 18, 2021**  
**2:00pm**

**VOTING MEMBERS PRESENT**

Dr. Karen Jones  
Dr. Lydia Arbogast  
Dr. Ed Heist  
Dr. Erin Perry  
Dr. Jim Lovvorn  
Dr. Ami Ruffing  
Dr. Jennifer Harris  
Dr. Vjollca Konjufca  
Ms. Amanda Ingram, alternate for Ms. Debbie Simpson  
Ms. Liz Gersbacher  
Ms. Amanda Ingram

**VISITORS**

Ms. Carolyn Skouby

**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**

Dr. Harris reported that Cow 703 was depressed and losing condition. Dr. Hodapp, the large animal consultant veterinarian, suspected bovine leucosis virus-associated lymphosarcoma. The cow was euthanized and necropsied. Necropsy was consistent with lymphosarcoma, and serology confirmed BLV and anaplasma antibodies.

Cow 425 and calf 126: the calf was one month old when it was observed trying to nurse from cows other than its dam, and the dam ignoring the calf. The calf is being bottle-fed, and the dam no longer accepted the calf. The calf was fine for a few weeks, but now has a fever and is being treated according to Dr. Hodapp's direction.

A guinea pig dam delivered a litter of five pups, an unusually large litter, and then began to decline in condition. The researcher euthanized the dam and all pups but one female. This pup was thin and possibly dehydrated, but survived the first 24 hours of separation. It was then introduced to others to prevent social anxiety, but did not survive another 24 hours. No necropsy was requested for the dam.

The regular farrier is recovering from Covid-19 and an alternate farrier was used during early September. One mare, Sheba, developed lameness subsequent to trimming, and is being treated by the equine staff.

## **APPROVAL OF MINUTES OF MEETING ON AUGUST 18, 2021**

Dr. Jones asked for comments on, or corrections to, the minutes of August 18. It was noted by the committee that the date on the minutes was wrong – it read July 21.

Dr. Perry moved that the minutes be approved with the correction in the date noted. Dr. Konjufca seconded the motion.

Total Voting = 11; Vote: For = 9, Opposed = 0, Abstained = 2

## **REVIEW OF NEW PROTOCOLS BY FULL COMMITTEE**

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

Discussion: Dr. Jones noted that this was a practicum class, an opportunity for student to get hands-on experience with a species with which they may not be familiar. The committee consensus was that this protocol should be reviewed by the full committee.

Dr. Jones expressed that neither the protocol nor the syllabus describes any activity that the students will do in sufficient detail to understand what activities will be done, and what activities will be demonstrated. She suggested that the IACUC-approved farm equine SOP be included by reference, to assure that the minimum standard of care is provided during the activities.

Dr. Ruffing had concern with the listing of dentistry activity, and hoof trimming/care didn't indicate whether the students would conduct the activities, or whether they would be demonstrated. There is concern for the welfare of the animals if untrained, unsupervised students are allowed to float teeth or trim hooves, particularly since the relief farrier had just damaged a horses' hoof earlier in the month.

Dr. Perry agreed with Dr. Jones that the protocol lacked sufficient specificity. She stated that there has been a historic absence of supervision in this class for whom the majority of participants have little or no experience with horses. She said that the students should be supervised at all times, and wants to know who will supervise the activities. Without adequate supervision, the safety of the students and the horses cannot be guaranteed.

A short discussion followed, without resolution, of the need for guest lecturers to have to provide some kind of licensure or credential to ensure their experience, and the pros and cons of asking them to be added to the protocol.

(Dr. Jimenez leaves for a few minutes and re-enters during this portion of discussion.)

Dr. Arbogast made a motion that this protocol should be returned to the full committee for review next month, with answers to the questions raised. Dr. Lovvorn seconded the motion. (Dr. Lovvorn then left to teach class.) (Ms. Gersbacher dropped out of the meeting due to connection problems.)

Total Voting = 9; Vote: For = 9, Opposed = 0, Abstained = 0

21-026, *The Organization and Plasticity of Sensory Processing Areas from Peripheral to Central Nervous System Representation* by **Diana Sarko**

This protocol is a renewal of her previous protocol 18-042. Her work uses naked mole rats.

Dr. Konjufca noted that the statement “the student will be trained” should now be changed to “the student has been trained,” since she was trained and has worked on the protocol for three years.

(Ms. Gersbacher returns to the meeting.)

Dr. Jones notes that in Part F, the statement “already used” should be clarified by adding the phrase “under former protocol 18-042,” to avoid a question about the IACUC approving work that has already been done.

Dr. Konjufca expressed concern with the use of a space heater in the space to raise the temperature for the naked mole rats. Ms. Ingram replied that the system has worked well for a number of years, with the only concern being the room dropping in temperature during a power outage several years ago. Dr. Ruffing noted that the central control of room temperature does not allow for the temperature in the room to be raised to 80 degrees without supplemental heat.

Ms Ingram said that the protocol listed a minimum relative humidity level of 40%, but in the past the PI has requested a minimum of 50%; this should be clarified.

Dr. Konjufca requested that the PI list which methods of anesthesia will be used with which procedures on the table in Part H.

Drs. Harris and Konjufca both expressed concern that the animals kept under anesthesia for up to 12 hours during electrophysiologic testing (followed by euthanasia) be kept in aseptic conditions, to prevent possible infection over the long course of the experiment.

Dr Harris would like to know the sources of the mice used in the experiments for the students to practice surgery and experimentation. What is the method of euthanasia for the mice?

Dr. Konjufca made a motion that the PI be asked the questions listed, and the replies sent to designated reviewers for approval. Ms. Gersbacher seconded the motion.

Total Voting = 10; Vote: For = 10, Opposed = 0, Abstained = 0

Protocol 21-027, *Nile Tilapia (Oreochromis niloticus)* Study by **Karolina Kwasek**

This is a renewal of former protocol 18-037.

Dr. Arbogast requested that Table HI include the concentration of MS222 used for anesthesia, and concentration for euthanasia.

Dr. Harris would like to know the local source of the fish. She noted that Part M needs to be changed from “inhaled agents” to “non-inhaled agents” for clarity. Part B(10) needs to include the frequency of weighing, although it is specific in Part F.

Dr. Jimenez-Ruiz made a motion that the questions should be sent to the PI, and the replies sent to designated members for approval. Dr. Harris seconded the motion.

Total Voting = 10; Vote: For = 10, Opposed = 0, Abstained = 0

**Protocol 21-028, *Contact Pattern and Predation of White-Tailed Deer* by **Guillaume Bastille-Rousseau****

This is a renewal of protocol 19-002, involving deer, coyotes, and bobcats.

Dr. Harris asked if the mother deer might be aggressive when the baby deer were captured. She also would like to know if corneal reflex might be a better method to check for animal death rather than just checking heart rate and breathing as currently listed in part N(3).

Dr. Jones asked that a photo or diagram of the modified Clover trap be included in part B(13).

Dr. Harris noted that in the table in Part F and Part H, the doses of drugs used were not consistent, and that the needle sizes need to be checked for accuracy in the table in Part H.

Dr. Perry requested a power analysis for justification of numbers of animals used in Part C(2).

Dr. Harris asked that Part G(2) needs a unit of time, and G(3) should repeat that blood will not be drawn from fawns. She also would like to see an affirmative statement that needles will be used only once and then disposed.

Dr. Jimenez asks that in Part A(5), the PI lists his experience with each of the species listed on the protocol.

Dr. Perry notes that Part F reads “Although we are targeting bobcats and coyotes for capture, we acknowledge other animals may be captured; these individuals will be immediately released unharmed.” Part B(13) should include information about what will be done if these non-target animals are indeed injured.

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

Total Voting = 10; Vote: For = 10, Opposed = 0, Abstained = 0

Protocol 21-029, *The Palatability and Efficacy of Treat-Form Electrolytes in Horses* by **Erin Perry**

Dr. Perry answered committee questions regarding this protocol submission. She explained that the study was designed to compare the palatability of horse chews containing electrolytes with a pellet form of electrolytes, and to study the efficacy of the chews following horse exercise.

Dr. Harris noted that the box in A(2) needs to be marked for additional personnel, and that Sam Wuest was enrolled in the occupational health program, so that box needs to be checked "Yes." The box in H(1) should be checked to indicate that the euthanasia drugs are pharmaceutical grade.

Dr. Arbogast noted that Part K(2) should be completed.

Dr. Perry left the meeting during discussion and voting.

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

Total Voting = 9; Vote: For = 9, Opposed = 0, Abstained = 0

Dr. Perry re-entered the meeting.

### **REVIEW OF NEW AMENDMENTS BY THE FULL COMMITTEE**

Protocol 21-019, *Quantifying the Effects of Pond Fertilizer on Fish Parasites* by **Charlotte Narr**

Dr. Narr's submittal was an amendment to her existing protocol. After the first season of seining the fish in the ponds, they realized that there were far more than just two species of fish living in the ponds. The amendment is a request to add species to the protocol, and an increase in animal numbers.

Dr. Narr submitted an entire updated protocol. After extensive discussion of methods of document handling, Dr. Jimenez made a motion that the IACUC request that Dr. Narr submit a one-page memo listing the desired changes instead of a complete revised protocol, and the reply memo sent to designated members for approval. Dr. Heist seconded the motion.

Total Voting = 10; Vote: For = 8, Opposed = 1, Abstained = 1

Protocol 20-001, *Movement and Populations Dynamics of Asian Carp in the Illinois River* by **Jim Garvey**

This is an amendment to the existing protocol, asking to add the collection of non-lethal tissue samples taken from carp while they are still under anesthesia from the procedure

to implant a transmitter. Ms. Tanya Fendler appeared before the committee to answer questions about the request.

Dr. Harris asked if scales were removed before the biopsy punch, and Ms. Fendler said yes. Dr. Harris then asked if the suture used were braided, since this was not appropriate for suturing exterior incisions. Ms. Fendler said she did not know if the sutures were braided or not. The protocol surgery form specifically forbids the use of braided sutures for external wound closing. Dr. Harris also suggested that the surgical area not be splashed with Betadine, but that the disinfectant be limited to the surgical area, not spread all over the sides of the fish.

Ms. Fendler then left the meeting. Dr. Heist made a motion that the questions should be sent to the PI, and the replies sent to designated members for approval. Dr. Harris seconded the motion.

Total Voting = 10; Vote: For = 10, Opposed = 0, Abstained = 0

*Protocol 20-035, Assessing and Improving Harvest as a Control Measure for Bigheaded Carp in the Wabash River Basin* by **Jim Garvey**

The content of this amendment request was identical to the previous protocol amendment request, to add the collection of non-lethal tissue samples taken from carp while they are still under anesthesia from the procedure to implant a transmitter.

The same questions were raised for this amendment: mention scale removal, revise the term “splash” of betadine to limit the exposure to the surgical site; and clarify whether the sutures used are braided, or monofilament.

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

Total Voting = 10; Vote: For = 10, Opposed = 0, Abstained = 0

## **OTHER BUSINESS**

The program review will be conducted on Friday, September 24 by zoom. The committee consideration of the semiannual facilities inspection and program review report to the IO will be discussed at the October 20<sup>th</sup> meeting.

The AAALAC site visit is scheduled for October 27 and 28, 2021. The first day is tentatively scheduled to be conducted virtually, and the physical inspection and closing conference will occur during the second day.

A motion to adjourn the meeting was made by Dr. Heist and seconded by Dr. Jimenez-Ruiz.

Total Voting = 10; Vote: For = 10, Opposed = 0, Abstained = 0

The meeting was adjourned at 5:05 pm.