IACUC UPDATES

ANIMAL CARE AND USE COMMITTEE (IACUC)
IACUC OFFICE
WHAT IS NEW WITH THE IACUC THIS MONTH?

- The IACUC is doing site inspections of animal facilities and PI-managed spaces
  - **Read** the emails from the IACUC Office to prepare for the site inspections
  - The most frequent findings continue to be:
    - Missing or incomplete monitoring logs (tumor burden, food or water restrictions, post procedures)
    - Use of expired drugs in animals - **read the label of your drugs**
  - The Site Inspection schedule and checklist can be found here:
    - https://emory.sharepoint.com/sites/eIACUC/SitePages/FAQs.aspx#when-is-my-iacuc-site-inspection-see-the-schedule-for-the-iacuc-semiannual-site-inspections-from-december-2023-to-may-2024
ARE THERE ANY ALERTS?

IACUC ALERT TO THE RESEARCH COMMUNITY

Xylazine may have a 30-day use limit

This alert is being issued to make the researchers aware of certain manufacturers’ new label specifications indicating that xylazine must be discarded 30 days after opening/needle puncture or after 20 punctures (whichever comes first).

IMPORTANT: The user should write on the bottle the date of the first puncture.

Researchers need to check the label of the xylazine vial to see if the manufacturer has the 30-day or 20 punctures use limit.

Using this product beyond 30 days or 20 punctures will constitute a noncompliance event due to an IACUC policy violation including use of expired materials in animal subjects.

Example of product with the 30-day or 20 puncture limit
Peripheral TBS Monitoring Log

Protocol Number:________________________

Name(s) of Person(s) Performing Monitoring:________________________ Email or Phone:________________________

<table>
<thead>
<tr>
<th>Date</th>
<th>Animal ID</th>
<th>Weight (g)</th>
<th>Body Condition Score</th>
<th>Tumor Length (mm)</th>
<th>Tumor Width (mm)</th>
<th>Tumor Volume (mm³)</th>
<th>Tumor Ulceration</th>
<th>Mobility</th>
<th>Total TBS</th>
<th>Comments &amp; Initials</th>
</tr>
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<tbody>
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Protocol Description

When the xenograft tumors appear, the animals will be monitored daily by observation for normal eating, drinking, and movement. If minor infection occurs, mice will be treated with antibiotic per consultation with DAR. Body condition score will be another indicator of well-being in addition to the weight if tumors are contributing to weight. The critical point should be the confluence of tumor size, body weight and/or body condition score. Any body condition score close to 3, tumor size above 1.8 cm in diameter, or when metastases are likely, and weight loss > 15%, will result in daily weights and increased frequency of observations. In mice bearing oral tumors, we don't expect mice to develop difficulties eating/drinking and will terminate the experiment when these occur immediately.
### Non-Peripheral TBS Monitoring Log

**Protocol Description**

For orthotopic lung tumor models, mice will be monitored and health scored as outlined by IACUC policy 304. The Pulmonary Assessment of Advanced Metastasis (PAAM) technique will be utilized twice per week after tumor inoculation, and then daily after the mouse has a confirmed lesion via cone-beam CT imaging (completed in collaboration with the CAM Core Facility). After a positive PAAM assessment, the mouse will be euthanized within 48 hours as outlined by IACUC policy 304.4.
Training on how to use the Tumor Burden Scoring logs is available from the DAR Training Group (dartm@emory.edu).

<table>
<thead>
<tr>
<th>Cumulative Score</th>
<th>Appropriate Action</th>
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<tbody>
<tr>
<td>0</td>
<td>Lab personnel must assess general health and tumor progression, and document TBS once per week.</td>
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<tr>
<td>1</td>
<td>Supportive care may be required. Lab personnel must assess general health and tumor progression, and document TBS 2-3 times per week.</td>
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<tr>
<td>2</td>
<td>Euthanasia may be required. Lab personnel must assess general health and tumor progression and document TBS daily.</td>
</tr>
<tr>
<td>≥ 3</td>
<td>Euthanasia is mandatory.</td>
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</tbody>
</table>
WHAT RESOURCES ARE NEW?

- Surgeons: We have an example of the completed surgery log:
  - https://rcra.emory.edu/_includes/documents/sections/iacuc/forms/example_surgical_log_303_aseptic_survival_surgery_in_rodents.pdf

- Updated CO2 Euthanasia SOP if you are doing this procedure outside the animal facility
  - https://rcra.emory.edu/_includes/documents/sections/iacuc/forms/dar_template_for_pi_co2euthanasia.pdf
CONTACT THE IACUC OFFICE IF YOU HAVE ANY QUESTIONS

IACUC@EMORY.EDU
HTTPS://RCRA.EMORY.EDU/IACUC/INDEX.HTML

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