Reverse Light Cycle Room

TRAINING ON TRANSPORTATION AND ANIMAL HEALTH MONITORING
Reverse Light Cycle Room

501  508
511  516B
542  512
Reverse Light Cycle Room

- July 2012 AAALAC inspection results:
  - "While the use of reverse light cycle rooms was appropriately justified and approved by the IACUC there were concerns as to appropriate illumination for daily animal observation. It was suggested that the ARC Director discuss with the PIs that are in SC-511, SC-501, SC-542 (reverse light cycle rooms) about altering the cycle to allow for animal observation."
Reverse Light Cycle Room

- IACUC, ARC, and PI discussions
  - Changing the light cycle time to 9-9?
    - This would give the ARC time in the (am) to conduct proper health checks and/or change cages with the lights on.
  - Ultimately 7-7 needed to be maintained
- With 7-7 set important factors to be addressed and resolved:
  1. How will proper illumination be achieved to perform animal health checks by the ARC staff and PI lab staff?
  2. How will proper illumination be achieved for animals on lower shelves?
  3. How will proper illumination be achieved for animal transport between home room and procedural spaces?
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- IACUC Policy
  - Guidelines for the Animals Housed in Reverse Light Cycle Rooms
  - Posted outside of each reverse light cycle room
  - Posted on the ORC website
Reverse Light Cycle Room

Implementation

- When entering a room that is dark...
  - Locate a red light flashlight and enter room
  - Locate the nearest red light flood light and turn it on (this will provide illumination for the entire room.
- When doing animal health checks
  - Use the red light flashlight to monitor animals after surgery and/or when needing to get a closer look
  - Animals can be moved into hallway if needed due to health concerns
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- **Animal Transport**
  - Animal facility lights (outside of room and hallway) have been lowered enough to be under the 30 foot-candle requirement.
  - Light intensity in any procedural room/space should be maintained at or below the 30 foot-candle recommendation.
    - Exception – surgery and procedures where light intensity is an experimental factor.
    - Surgery recovery – every attempt should be made to have the light intensity at or below 30 foot-candles. If not, drapes, towels, lab coats, covers are recommended over the animal's cage while in recovery.
  - Cart covers should be used when available for animal transport.
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Thank you

Questions?