

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average .5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

**OMB APPROVED**  
0579-0036

Interagency Report Control No. 0180-DOA-AN

Fiscal year: 2022

**UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE**

**Annual Report of Research Facility  
Column E Explanation**

*(TYPE OR PRINT)*

This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §2.36). Failure to report according to the regulations can result in an order to cease and desist.

**1. REGISTRATION NUMBER**

58-R-0003

**2. Research Facility Headquarters address**

University of Florida Campus, Gainesville, FL  
32611

**3. Number of animals used in the study.**

4

**4. Species (common name) of animals used in the study.** Cats

**5. Explain the procedure producing pain and distress.**

The animals experience pain and/or distress due to the clinical manifestations of FIV infection in this study to develop new vaccination strategies and treatments for the disease.

**6. Provide the scientific justification for not providing the appropriate anesthetics, analgesics, or tranquilizing drugs during procedures where the animal experienced accompanying pain or distress greater than momentary or slight.**

Anesthetic, analgesics, and tranquilizers are used as appropriate but may not eliminate all of the pain and/or distress associated with the disease.

**7. What, if any, Federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number, and the specific section number (e.g., APHIS, 9 CFR 113, 102):**

**Agency**

**CFR**

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58-R-0003

2. Research Facility Headquarters address  
University of Florida Campus, Gainesville, FL  
32611

3. Number of animals used in the study.  
16

4. Species (common name) of animals used in the study.  
Spiny Mice

5. Explain the procedure producing pain and distress.

The animals experience pain and/or distress post-operatively and due to the clinical manifestations of stroke in this study of stroke pathogenesis and treatment.

6. Provide the scientific justification for not providing the appropriate anesthetics, analgesics, or tranquilizing drugs during procedures where the animal experienced accompanying pain or distress greater than momentary or slight.

In studies of spiny mice outside of the brain, there are numerous reports on the inflammatory response being unique and important for their regenerative capacity. In our stroke studies during the first 3 years of this study, this appears to be consistent. We see unique anti-inflammatory responses in spiny mice in the stroke animals (RNAseq.) that also appear in the peripheral system while absent in other rodent models. Therefore, it is necessary to continue to withhold analgesia to not alter their unique anti-inflammatory response, which we believe to be vital for enhanced healing/regeneration.

7. What, if any, Federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number, and the specific section number (e.g., APHIS, 9 CFR 113, 102):

Agency	CFR
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