

Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 33-R-0024
2. Number 55 of animals used in this study.
3. Species (common name) Hamster of animals used in this study.
4. Explain the procedure producing pain and/or distress.

Spinal cord injury will be produced in a sterile surgical procedure. Although the procedure will not result in pain, the resulting period of nerve damage prior to repair will result in stress.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

Therapeutic modalities will be tested with the aim of assisting nerve repair and aiding a return to full mobility. The addition of other drugs would not permit objective evaluation of these therapies.

6. 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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1. Registration Number: 33-R-0024
2. Number 21 of animals used in this study.
3. Species (common name) Rabbit of animals used in this study.
4. Explain the procedure producing pain and/or distress.

A shunt is placed in the aorta, which will bypass spinal cord blood supply while leaving supply to kidneys and lower extremities intact. The intent is to simulate paraplegia associated with thoracic aneurysm, an associated complication of aneurysm surgical alleviation.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

The experiment assesses new treatment modalities to provide limb movement past aneurysm. Although it is hoped that animals will regain full use of their hind limbs, partial or full paralysis is at least an option. The animals will be followed for 48 hours post-surgery and if full movement is not recovered, stress is unavoidable.

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Agency _____ CFR _____