

Explanation of Column E Procedures
Vanderbilt University Medical Center 63-R-0129
October 1, 2019 to September 30, 2020

1. The following protocol involved animals reported in Column E after it was determined that a subset of animals used in the approved protocol may have experienced unanticipated pain/distress. For each protocol, the species (common name) and number of animals reported in Column E is provided, as well as a brief explanation of the procedure that may have caused unrelieved pain/distress.

M1900083 Species Used: Guinea Pig (Cavia porcellus)
Number Used: 5

Guinea pigs undergoing an anesthetized intubation procedure may have experienced distress that was not relieved through use of proper anesthetic technique.

Agency: Not applicable

CFR: Not applicable.

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2. The following protocol involved animals reported in Column E after it was determined that a subset of animals used in the approved protocol may have experienced unanticipated pain/distress. For each protocol, the species (common name) and number of animals reported in Column E is provided, as well as a brief explanation of the procedure that may have caused unrelieved pain/distress.

M1800146 Species Used: Rabbit (Oryctolagus cuniculus)
Number Used: 6

Anesthetized rabbits received intravitreal injections as part of experiments investigating multimodal treatment of retinoblastoma. A subset of rabbits may have experienced unrelieved ocular irritation or distress following recovery from anesthesia.

Agency: Not applicable

CFR: Not applicable.

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1. The following protocol involved experiments reported in Column E. Experiments were approved by the Institutional Animal Care and Use Committee (IACUC) after determination of scientific justification. The species (common name) and number of animals reported in Column E is provided, as well as a brief explanation of the procedure producing pain and/or distress and scientific justification as to why the pain and/or distress could not be relieved. As applicable, federal regulations requiring the potentially painful/distressing procedure are cited.

M1500030 Species Used: Tree shrew (Tupaia glis)
Number Used: 7

Anesthetized tree shrews received a series of controlled air blasts to one eye to study retinal damage (and potential therapeutics) in a model of blast-induced ocular trauma. While the painful procedures (air blasts) were done under anesthesia and no outward signs of injury were observed upon recovery, animals are reported in Column E because this species may mask pain/distress and post-procedure analgesics cannot be administered because they would interfere with results. Specifically, the procedure is intended to mimic blast trauma in military situations where access to analgesics subsequent to injury may be very delayed. Additionally, because inflammation is a study endpoint, the use of analgesics/anti-inflammatories would potentially suppress the inflammatory response and confound results.

Agency: Not applicable

CFR: Not applicable.