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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
31V0004

2. Research Facility Headquarters address

VA Medical Center (541) 10701 East Blvd.
Cleveland Oh, 44106

3. Number of animals used in the study.

4

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

Rabbits

5. Explain the procedure producing pain and distress.

A horizontal tracheotomy performed between the 2nd and 3rd tracheal ring.
The incision is about 6mm wide. 1ml of 4% lidocaine is applied topically to the trachea for anesthesia. Tracheal injury to induce stenosis will be performed by applying silver nitrate (75% silver nitrate, 25% potassium nitrate, Arzol Chemical Company, Norther Haverhill, NH) circumferentially to the 5th and 6th endotracheal ring. If scheduled for stent placement the rabbits will receive the endotracheal stent through the stoma at this point. The stent will not be secured to assess for tracheal wall adherence and to determine of migration occurs. The tracheostoma will be closed airtight using dissolvable polylactin 4-0 sutures. The neck wound will be irrigated with normal saline and then closed with dissolvable polylactin 3-0 sutures in a subcuticular plane. Postoperatively, rabbits will be monitored for respiratory distress, and if it occurs, then rabbits will be euthanized and their trachea with be harvested and used for analysis.

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.

All rabbits will develop tracheal stenosis and relief of discomfort/distress associated with a constricted airway cannot be relieved as we are studying if the stenosis can be relieved with different types of experimental stents.

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