

APPENDIX D SURGICAL PROCEDURES

An investigator planning on performing surgical procedures must submit documented proof of formal training with this application. The training must have occurred within the last five years. Even with documentation it will still be necessary for all initial surgical procedures to be performed under the supervision of the attending veterinarian or an approved substitute. The following questions should be filled out with the assistance of the animal facility supervisor and/or the attending veterinarian.

Questions 4 through 6 and 11 require the signature of the animal facility supervisor and/or the attending veterinarian prior to submission of this application.

1. Will nonsurvival surgical procedures be conducted for this application?

_____ Yes _____ No

2. Will survival surgical procedures be conducted for this application? If animals will recover from anesthesia for any time following surgery, it must be considered as a survival procedure.

_____ Yes _____ No

3. Which of the following parameters will be used to determine the pre-operative health status?

_____ Activity level	_____ Heart rate
_____ General physical condition	_____ Respiratory rate
_____ Body temperature	_____ Body weight
_____ Blood chemistries	_____ Other (specify)

4. Please specify when, prior to surgery, food and fluids will be withheld.

5. Will pre-operative, medications (i.e. antibiotics, anticholinergics, tranquilizers, etc.) be used?

_____ Yes _____ No

Medication	Dose (mg/kg body wt.)	Route	Frequency

Signature of animal facility supervisor and/or attending veterinarian

Date

APPENDIX D (CONT.)

6. List the anesthetic agent(s) that will be used.

Agent	Dose (mg/kg body wt.)	Route	Frequency

Signature of animal facility supervisor and/or attending veterinarian

Date

7. Will paralytic agents be used? Yes (list them below) No

Agent	Dose (mg/kg body wt.)	Route	Frequency

Signature of animal facility supervisor and/or attending veterinarian

Date

8. For each surgical procedure that is to be conducted, address the following:
a. List the site(s) that will be used for the incision(s).

APPENDIX D (CONT.)

9. Will any animal be subjected to multiple, major survival surgical procedures?

_____ Yes _____ No

If yes, answer the following questions.

- a. Are the surgeries related components of the project? Explain how they are related and why they are a scientific necessity.

- b. How many surgeries in addition to the primary surgery will be conducted per animal?

- c. How long will animals be allowed to recover between surgeries?

10. During anesthesia what methods or parameters will be used to monitor the animal?

11. Animals that will be allowed to regain consciousness following surgery must be closely monitored until they regain the ability to control their head movement and maintain sternal recumbency. From the list below, check the parameters that you will use to monitor the animals' recovery from anesthesia.

_____ Body Temperature	_____ Heart Rate	_____ Respiratory Rate
_____ Palpebral Reflex	_____ Swallow Reflex	_____ Response to External Stimuli
_____ Muscle Control	_____ Mucous Membrane	_____ Blood Pressure
_____ Other (specify)	_____ Re-fill Times	

APPENDIX D (CONT.)

12. The postoperative period is considered at an end when the skin sutures are removed or the wound is healed.

- a. How frequently will animals be monitored during this period?

- b. Describe any anticipated, clinically significant, adverse effects that may result from the surgical manipulation and the care that will be provided should they occur.

- c. From the list below, check the parameters that will be used to determine the presence of postoperative pain/distress.

Body Weight Appearance Response to External Stimuli
 Respiratory Rate Heart Rate Unprovoked behavior
 Body Temperature Body Posture Other Clinical Signs (explain)

13. Will postoperative antibiotics and/or analgesics be given?

Yes (list them below) No

Medication	Dose (mg/kg body wt.)	Route	Frequency

Signature of animal facility supervisor and/or attending veterinarian

Date