# PART XII – SURGERY, MAJOR OR MINOR

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| --- | --- |
|  | **NOT APPLICABLE** |

## anesthesia and post operative care

### List all anesthetics, analgesics or tranquilizing drugs used during each procedure:

|  |  |  |  |
| --- | --- | --- | --- |
| **ANESTHETIC** | **DOSE** | **ROUTE OF ADMINISTRATION** | **FREQUENCY OF ADMINISTRATION** |
|  |  |  |  |
|  |  |  |  |
| **ANALGESIC / TRANQUILIZING DRUG** | **DOSE** | **ROUTE OF ADMINISTRATION** | **FREQUENCY OF ADMINISTRATION** |
|  |  |  |  |
|  |  |  |  |

### Will neuromuscular blocking agents be used during anesthesia?

|  |  |
| --- | --- |
|  | **YES** |
|  | **NO** |
| **If YES, provide justification and criteria for gauging depth of anesthesia while neuromuscular blockade is in effect:** | |
|  | |

### If pre-emptive analgesics will not be used please justify this decision?

|  |  |
| --- | --- |
|  | **NOT APPLICABLE – NON SURVIVAL SURGERY** |

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### Describe the post-operative care (i.e. monitoring, analgesics, fluids, oxygen, heating pads, etc.):

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## Surgery description

Please note that some non-survival surgeries may require the use of aseptic techniques depending on experimental objectives and length of procedure, the UV will advise in these cases.

### Will non-survival practice animals be used to train individuals prior to conducting surgical procedures?

|  |  |
| --- | --- |
|  | **YES** |
|  | **NO** |
| **If NO, please justify:** | |
|  | |

### Where will surgeries be performed? Provide building and room number:

|  |
| --- |
|  |

### Will there be multiple or staged survival surgical procedures performed on any one animal?

|  |  |
| --- | --- |
|  | **YES** |
|  | **NO** |
| **If YES, explain your answer and justify:** | |
|  | |

### Describe how surgical instruments will be sterilized:

|  |  |
| --- | --- |
|  | **NOT APPLICABLE – NON SURVIVAL SURGERY** |
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### Describe how other materials (implants, catheters, electrodes, cannulas, etc.) used in surgery are sterilized:

|  |  |
| --- | --- |
|  | **NOT APPLICABLE – NON SURVIVAL SURGERY** |
|  | | |

### Explain how the animal(s) body temperature will be maintained during the peri-operative period (pre- intra and immediate post-operative):

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|  |

### Ophthalmic eye ointment (not drops, petroleum jelly, mineral oil) will be applied to eyes immediately upon induction of anesthesia:

|  |  |
| --- | --- |
|  | **YES** |
|  | **NO** |
|  | **NOT APPLICABLE –NON SURVIVAL SURGERY** |
| **If NO, explain your answer:** | |
|  | |

### Pre-op fluids will be administered with sterile saline or lactated Ringer’s solution IP or SC to mice or rats (0.5-1.0 ml for adult mice and 5-10 ml for adult rats):

|  |  |
| --- | --- |
|  | **YES** |
|  | **NO** |
|  | **NOT APPLICABLE – NON SURVIVAL SURGERY** |
| **If NO, explain your answer:** | |
|  | |

### Will the surgical field be scrubbed with surgical SCRUB (chlorhexidine [preferred] or povidone iodine) followed by 70% alcohol wipe? This alternating, SCRUB and alcohol application is repeated at least 2 more times. After the last alcohol application, surgical SOLUTION (not SCRUB) (chlorhexidine [preferred] or povidone iodine) will be applied and allowed to dry on the skin.

|  |  |
| --- | --- |
|  | **YES** |
|  | **NO** |
|  | **NOT APPLICABLE –NON SURVIVAL SURGERY** |
| **If NO, explain your answer:** | |
|  | |

### Hair will be removed from the surgical site with:

|  |  |
| --- | --- |
|  | **Hair Clippers** |
|  | **Depilatory Cream -** Removed 45-60 secs after application with alcohol or water to prevent irritation. |
|  | **OTHER** |
| **If OTHER, explain your answer:** | |
|  | |

### Describe the location and approximate length of the incision:

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| --- |
|  |

### Provide details on the following:

|  |  |  |  |
| --- | --- | --- | --- |
| **Suture Material:** | |  | |
| **Suture Pattern:** | |  | |
| **Suture Removal:** | |  | |
|  | **NOT APPLICABLE – NON SURVIVAL SURGERY** | |

### The following will be worn:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **YES** | | **NO** |  | |
|  | |  | **Sterile Surgical Gloves** | |
|  | |  | **Face Mask** | |
|  | |  | **Hair Cover** | |
|  | |  | **Gown** | |
|  | |  | **Plastic sleeves, sprayed with disinfectant, over the forearm** | |
| **If NO, explain your answer:** | | | | |
|  | | | | |
|  | **NOT APPLICABLE – NON SURVIVAL SURGERY** | | |

### Will a sterile drape will be applied to the surgical field:

|  |  |
| --- | --- |
|  | **YES** |
|  | **NO** |
|  | **NOT APPLICABLE – NON SURVIVAL SURGERY** |
| **If NO, explain your answer:** | |
|  | |
| **If YES, describe the type of sterile drape used to cover the surgical field:** | |
|  | |

### Before making the incision, surgical anesthesia is verified by the absence of a vigorous rear toe pinch reflex.

|  |  |
| --- | --- |
|  | **YES** |
|  | **NO** |
| **If NO or an additional or different method is used, explain your answer:** | |
|  | |

### Non sterile instrumentation (e.g. stereotaxic devices, switches, surgical lamps etc.) that need to be manipulated during surgery will be covered with sterile material such as Tegaderm, Press’n Seal or autoclaved aluminum foil (preferred) or will at least be disinfected.

|  |  |
| --- | --- |
|  | **YES** |
|  | **NO** |
|  | **NOT APPLICABLE – NON SURVIVAL SURGERY** |
| **If NO, explain your answer:** | |
|  | |
| **Disinfectants used:** | |
|  | **SporKlenz** |
|  | **Virkon-S** |
|  | **MB-10** |
|  | **Cavicide** |
|  | **Other (Please specify below):** |
|  | |

### Provide a brief overview of the surgical aims and process. Give details to include, but not exclusively restricted to: target organs and tissues, the surgical techniques used to achieve the aims, any tissues removed, and any tissue manipulations (for example cauterization, ablation etc.), any implants or drugs administered to the target organs and tissues:

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## batch surgeries

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| --- | --- |
|  | **NOT APPLICABLE** |

### If batch (serial) surgeries will be conducted with the same instruments, fill in the sections below, otherwise leave blank.

##### A maximum of 5 animals will undergo surgery with the same initial set of sterile instruments.

|  |  |
| --- | --- |
|  | **YES** |
|  | **NO** |
| **If NO, explain your answer:** | |
|  | |

##### Sterile surgical gloves and sterile drapes will be replaced with each surgery.

|  |  |
| --- | --- |
|  | **YES** |
|  | **NO** |
| **If NO, explain your answer:** | |
|  | |

##### Between animals instruments will be cleaned with alcohol or sterile water and the tips of the instruments placed in a glass bead sterilizer with a temperature of at least 250oC for at least 60 seconds.

|  |  |
| --- | --- |
|  | **YES** |
|  | **NO** |
| **If NO, explain your answer:** | |
|  | |