



TITLE: Emergency Crash Cart for Non-Human Primates

PURPOSE: To provide emergency medical care to NHP's in distress prior, during or post anesthesia. This NHP-SSP is applicable to ALL anesthesia procedures, including for non-surgical purposes.

REVIEW/REVISION: Permanent amendment/revisions to this SSP must be presented to the IACUC for review before implementation and should be developed by UAC, the Surgical Attending Veterinarian and PI together.

EFFECTIVE DATE: 1/27/05; **Revised/Re-Approved:** 2/4/05, 8/25/05, 11/2/06, November 1, 2007

POLICY:

During the Pre-Surgery Conference, an individual will be identified as responsible for the preparation of the Emergency Crash Cart. This individual must be one of the following: BSS Technician, Surgical Attending Veterinarian, PI or Research Personnel.

FREQUENCY OF PROCEDURE:

As needed

DOCUMENTATION OF PROCEDURE:

NHP's Individual Emergency Drug Dose Calculations Form (NHP-SSP #700-08-05)
Anesthesia Record
Crash Cart Checklist (NHP-SSP #700-08-05)

PROCEDURES:

1. The emergency crash cart will be stored in room 1236 in the NHP prep room. The crash cart will be present with the animal at all stages of the procedure – from anesthesia to recovery.
2. The NHP's Individual Emergency Drug Doses Form (NHP-SSP #700-08-05), with the NHP's drug doses that were calculated during the pre-surgical conference as per NHP-SSP #702-08-05, will be placed on the Emergency crash cart with the emergency drugs.
3. After the NHP has been prepped for the procedure, the emergency crash cart will follow the NHP to the surgery suite, MRI or MRI/CT areas
4. After the procedure the emergency crash cart will follow the monkey to its recovery cage.

JUSTIFICATION:

The Institutional Animal Care and Use Committee (IACUC) determined that comprehensive individual Non-Human Primate Standard Surgical Practices (NHP-SSP) should be written for: Surgical Prep - This includes not only the actual pre-operative preparation of the animal, but also required prep for participants; Anesthesia Induction - Standard induction procedures should be described; Post-Operative Recovery - this should specify criteria for extubation as well as post-operative monitoring, placement of the animal, and provision for emergency care.

Authority line - During pre-op procedures and immediate post-operatively, until animal is able to sit upright, the Surgical Attending Veterinarian will be present and have decision making authority. The Surgical Attending Veterinarian may not



be physically present in the room during surgery, but is on call. During surgery, the Surgeon is responsible for procedures going on in the surgical theater. Specific allocation of duties for each NHP-SSP will be determined at the pre-surgery conference and will be designated to the Surgical Attending Veterinarian, PI, BSS Clinical Staff, or Research staff.

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- 5. After the NHP is fully recovered the emergency crash cart will be taken back to the NHP prep room 1236
- 6. The emergency crash cart will be disinfected per SOP# TBD

MATERIALS REQUIRED:

- Crash Cart
- Ambu bag (resuscitation bag)
- Anesthesia face mask
- Breathing Tubes:
 - One set of short breathing tubes
- Difibulator 4x4 gauze pads
- EKG pads
- Electrode gel
- Emergency Drug Dose Table
(NHP-SSP #702-01-05)
- Endotracheal tubes - Sizes:
 - 3 3.5 4 4.5 6 7 7.5
- Extension Cord
- Eye ointment
- Fluids - bicarb/physio
- Gauze:
 - 2 inch roll 3 inch roll
- Heating Pad
- Infusion plugs
- IV catheters - 22 gauge
- I.V. drip sets

- Laryngoscope
- Needles:
 - 1 box 23 gauge
 - 1 box 22 gauge
 - 1 box 21 gauge
 - Pediatric IC needle
- Rebreathing bag:
 - One liter rebreathing bag
- Red BioHazard Bags
- Scissors
- Stethoscope
- Suction Bulb Suction catheter
 - Pediatric Suction catheter
- Surgical Face Masks
- Syringes:
 - 1cc 3cc 6cc 12cc 20cc 35cc
- Tape: 1 inch
- Thermometer
 - Thermometer Covers
- Underpads
- Vet Wrap -2 inch
- 23 gauge 3 ½ inch spinal for IC injections

EMERGENCY DRUGS:

Emergency drugs

- | | | |
|----------------|-------------|--------------------------|
| Acepromazine | Diazepam | Isoflurane (One bottle) |
| Anticonvulsive | Dopram - V | Lidocaine (w/o epi) |
| Atropine | Epinephrine | Mannitol (or equivalent) |
| Buprenex | Heparin | Nembutal |
| Buprenorphine | | |