

**TITLE: NHP's Individual Emergency Drug Dose Calculations**

**PURPOSE:** To determine drug dosages to be used for emergency care.

**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:** 1/2/7/05; **Revised/Re-Approved:** 2/24/05, 8/25/06, 11/2/06, November 1, 2007

**PERSON(S) RESPONSIBLE:** During the Pre-Surgery Conference, the BSS Technician(s), Surgical Attending, PI/Research Personnel will determine the appropriate emergency drug doses for the individual NHP being discussed.

**Procedures:**

1. The Individual NHP drug doses will be calculated during the pre-surgical conference as per NHP-SSP #700-08-05.
2. The completed form will be placed on the Emergency Crash cart with emergency drugs per NHP-SSP #701-08-05.

**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.



**NHP's Individual Emergency Drug Dose Calculations**

Date \_\_\_\_\_ Investigator

ID # \_\_\_\_\_ WT/kg

Drug	Dosage/Administration Route	NHP Specific Dosage
Acetylpromazine maleate (Acepromazine maleate)	0.5-1.0 mg/kg BW, IM or IC	
Epinephrine:	1 ml diluted to 10 ml and then give 0.75 ml IV or IC with compressions for CPR	
Doxapram HCL (Dopram -V)	2 mg/kg BW IV	
Lidocaine HCL (w/o epi)	0/75 ml IV initial dose for cardiac arrhythmias	
Buprenorphine	0.01-.02 mg/kg BW IM, IV, q12hr	
Atropine	0.05 mg/kg BW IM, IV	
Diazepam	1 mg/kg BW IM, IV	
Propofol	7.5-12.5 mg/kg BW IV 10 mg/ml	
Mannitol	0.25-0.5 gm/kg BW IV over a 20 minute period	
KEY: BW = Body Weight IM = Intramuscular SC = Subcutaneous IV = Intravenous IC = Intracardiac		