Appendix 2: Emergency Equipment And Drugs

Required Equipment

A. Source of oxygen and equipment to deliver positive-pressure ventilation
B. Respiratory support equipment
   • Oral airways and nasal airways
   • Endotracheal tubes with stylets (provision for children’s airway management)
   • Laryngoscope and suitable blades (plus extra bulbs and batteries)
   • McGill forceps or other suitable instruments
   • Cricothyrotomy set with connector
   • Supraglottic airway adjuncts
C. Stethoscope, precordial stethoscope
D. Blood pressure cuff and/or automatic blood pressure monitor
E. Electrocardiograph and/or defibrillator and/or automated external defibrillator
F. Pulse oximeter
G. Capnography monitor
H. Equipment to establish intravenous infusion
   • Angiocaths, needles, syringes, intravenous sets and connectors
   • Tourniquets for venipuncture
   • Tape
I. Intraosseous Infusion (IO)

Recommended Drugs

The following are examples of drugs that will be helpful in the treatment of anesthetic emergencies. The list should not be considered mandatory or all-inclusive. Expiration dates on all drugs should be regularly sample monitored. See Appendix 9 for monitoring checklists.

A. Intravenous fluids
   • Sterile water for injection and/or mixing or dilution of drugs
   • Appropriate intravenous fluids
B. Cardiovascular Medications
   • Oxygen
   • Nonenteric aspirin 325 mg
   • Epinephrine 1 mg (10 mL of a 1:10,000 solution)
   • Atropine 0.4 mg/mL
   • Nitroglycerin (0.4 mg)
   • Epinephrine 1:1,000 or 1:10,000 (1 mg = 1:1,000)
   • Ephedrine 50 mg/mL
   • Phenylephrine (Neo-Synephrine) 10 mg/mL
   • Lidocaine 2% (Xylocaine) 20 mg/mL
   • Amiodarone (Cordarone et. al.) 50 mg/mL
• Adenosine 3 mg/mL
• Magnesium sulfate 1-2g

C. Antihypertensive Agents (Immediate)
• Esmolol (Brevibloc) 10 mg/mL
• Labetalol (Trandate) 5 mg/mL (20-mL single-dose vial)

D. Diuretics
• Furosemide (Lasix) 10 mg/mL

E. Antiemetics
• Ondansetron (Zofran) 2 mg/mL

F. Reversal Agents
• Naloxone (Narcan) 0.4 mg/mL (Monitor patient for 1 hour post reversal prior to discharge)
• Flumazenil (Romazicon) 0.1 mg/mL

G. Additional Drugs
• Dextrose 50%
• Hydrocortisone sodium succinate or methylprednisolone sodium succinate (Solu-Medrol) 125 mg
• Dexamethasone (Decadron) 4 mg/mL
• Glycopyrrolate (Robinul) 0.2 mg/mL
• Diazepam (Valium) 5 mg/mL
• Diphenhydramine (Benadryl) 50 mg/mL
• Albuterol (Ventolin) inhaler
• Midazolam (Versed) 5 mg/mL
• Succinylcholine (Anectine) 20 mg/mL
• Morphine sulfate 5 mg/mL
• Dantrolene formulations (Dantrium) 20 mg vials, readily available
• Lidocaine 10 mg/mL
• Famotidine (Pepcid)
• Ketorolac (Toradol) 30 mg/mL