

**MEDICATION ADMINISTRATION POLICIES:
5.9 ISMP's LIST OF HIGH-ALERT MEDICATIONS**

See on-line formulary for pdf version of this chart.

Classes/Categories of Medications
Adrenergic agonists, IV (e.g. epinephrine, phenylephrine, norepinephrine)
Adrenergic antagonists, IV (e.g. propranolol, metoprolol, labetalol)
Anesthetic agents , general, inhaled and IV (e.g. propofol, ketamine)
Antiarrhythmics, IV (e.g. lidocaine, amiodarone)
Antithrombotic agents , including: <ul style="list-style-type: none"> • Anticoagulants (e.g. warfarin, LMWH, IV unfractionated heparin) • Factor Xa inhibitors (e.g. fondaparinux, apixaban, rivaroxaban) • Direct thrombin inhibitors (e.g. argatroban, bivalirudin, dabigatran) • Thrombolytics (e.g. alteplase, reteplase, tenecteplase) • Glycoprotein IIb/IIIa inhibitors (e.g. eptifibatide)
Cardioplegic solutions
Chemotherapeutic agents , parenteral and oral
Dextrose, hypertonic , 20% or greater
Dialysis solutions , peritoneal and hemodialysis
Epidural or intrathecal medications
Hypoglycemics, oral
Inotropic medications, IV (e.g. digoxin, milrinone)
Insulin, subcutaneous and IV
Liposomal forms of drugs (e.g. liposomal amphotericin B) and conventional counterparts (e.g. amphotericin B deoxycholate)
Moderate sedation agents <ul style="list-style-type: none"> • IV (e.g. dexmedetomidine, midazolam) • Oral, for children (e.g. chloral hydrate)

Classes/Categories of Medications cont'd
Neuromuscular blocking agents (e.g. succinylcholine, rocuronium, vecuronium)
Narcotics/Opioids <ul style="list-style-type: none"> • IV • transdermal • oral (including liquid concentrates, immediate and sustained-release formulations)
Parenteral nutrition preparations
Radiocontrast agents, IV
Sterile water for injection, inhalation, and irrigation (excluding pour bottles) in containers of 100 mL or more
Sodium chloride for injection, hyertonic , greater than 0.9% concentration

Specific Medications
Epinephrine, subcutaneous
Epoprostenol (Flolan), IV
Insulin U-500 (special emphasis)
Magnesium sulphate injection
Methotrexate, oral, non-oncologic use
Opium tincture
Oxytocin, IV
Nitroprusside sodium for injection
Potassium chloride for injection concentrate
Potassium phosphates injection
Promethazine, IV
Vasopressin, IV or intraosseous