

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

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

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

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

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| <b>Specific Medications</b>                  |
| 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              |