



## Section 13: Appendix 1: Medications

### DEXTROSE 25% (D25)

Pregnancy Category - C

A	AEMT	A
P	PARAMEDIC	P

<b>ACTIONS</b>	Restores blood sugar
<b>INDICATIONS</b>	<ol style="list-style-type: none"> <li>1. Treatment of altered mental status due to hypoglycemia</li> <li>2. Child blood glucose level less than 60 mg / dl</li> <li>3. Seizure or status epilepticus with associated hypoglycemia</li> <li>4. Coma with associated hypoglycemia</li> <li>5. Delirium tremens with associated hypoglycemia</li> <li>6. Seizure or status epilepticus with associated hypoglycemia</li> <li>7. Cardiac arrest with associated hypoglycemia</li> </ol>
<b>CONTRAINDICATIONS</b>	<ol style="list-style-type: none"> <li>1. Known hyperglycemia</li> <li>3. Intracranial / intraspinal hemorrhage</li> </ol>
<b>PRECAUTIONS</b>	<ol style="list-style-type: none"> <li>1. Use with caution for stroke or head injured patients</li> <li>2. A blood glucose level should be determined prior to and post dextrose administration</li> </ol>
<b>SIDE EFFECTS</b>	<ol style="list-style-type: none"> <li>2. Hyperglycemia</li> </ol>
<b>SUPPLIED</b>	Prefilled syringes and vials containing 10 ml of Dextrose 25% (= 2.5 g of Dextrose)
<b>ADULT DOSAGE</b>	<b>See dextrose 50% for adult dosage</b>
<b>PEDIATRIC DOSAGE</b>	<p><b>Child:</b> 4 ml/kg IVP / IO dextrose 25% (D25), repeated as needed to maintain blood glucose level Use a large vein to administer Dextrose 25%</p> <p><b>Neonate:</b> - 2 ml/kg IVP / IO dextrose 25% (D25), repeated as needed to maintain blood glucose level</p> <p><b>See <u>PEDIATRIC DRUG ADMINISTRATION CHART</u> for weight based administration</b></p>
<b>KEY POINTS</b>	Extravasation of Dextrose 25% causes tissue necrosis
<b>PROTOCOL USE</b>	<ul style="list-style-type: none"> <li>• Pediatric Altered Level of Consciousness</li> <li>• Pediatric Asystole / PEA</li> <li>• Pediatric Diabetic Emergencies</li> <li>• Pediatric Head Trauma</li> <li>• Pediatric Seizure</li> <li>• Pediatric Shock</li> </ul>