



## Section 13: Appendix 1: Medications

### DEXTROSE 10% (D10)

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. <b>Adult</b> blood glucose level less than 60 mg / dl,</li> <li>3. <b>Child</b> blood glucose level less than 60 mg / dl</li> <li>4. <b>Neonate</b> blood glucose level less than 40 mg / dl</li> <li>5. Seizure or status epilepticus with associated hypoglycemia</li> <li>6. Coma with associated hypoglycemia</li> <li>7. Delirium tremens with associated hypoglycemia</li> <li>8. Seizure or status epilepticus with associated hypoglycemia</li> <li>9. Cardiac arrest with associated hypoglycemia</li> </ol>
<b>CONTRAINDICATIONS</b>	<ol style="list-style-type: none"> <li>1. Known hyperglycemia</li> <li>2. 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>1. Hyperglycemia</li> </ol>
<b>SUPPLIED</b>	250 ml bag or Dextrose 10% = 25 Grams total (10 Grams / 100 ml)
<b>ADULT DOSAGE</b>	25 g (250 ml) IVP may repeat if required
<b>PEDIATRIC DOSAGE</b>	<p><b>Child:</b> 5 ml/kg IVP / IO dextrose 10% (D10), repeated as needed to maintain blood glucose level</p> <p><b>Neonate:</b> 2 ml/kg IVP / IO dextrose 10% (D10), 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 10% causes tissue necrosis
<b>PROTOCOL USE</b>	<ul style="list-style-type: none"> <li>• Neonatal Resuscitation</li> <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>