



## Section 13: Appendix 1: Medications

### DEXTROSE 50% (D50)

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. Adult blood glucose level less than 60 mg / dl or signs and symptoms of hypoglycemia</li><li>3. Coma with associated hypoglycemia</li><li>4. Delirium tremens with associated hypoglycemia</li><li>5. Seizure or status epilepticus with associated hypoglycemia</li><li>6. 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 with stroke or head injury 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>4. Extravasation of Dextrose 50% may cause necrosis</li><li>5. Hyperglycemia</li></ol>
<b>SUPPLIED</b>	Prefilled syringes and vials containing 50 ml of Dextrose 50% (= 25 g of dextrose)
<b>ADULT DOSAGE</b>	<b>Dextrose 50% (D50):</b> 25 g (1 amp) IVP may repeat if required Use a large vein to administer Dextrose 50% Precede Dextrose with Thiamine 100 mg IVP / IM if the patient is suspected of chronic alcoholism or malnourishment
<b>PEDIATRIC DOSAGE</b>	<b>See dextrose 25% for child dosage</b>
<b>KEY POINTS</b>	Extravasation of dextrose 50% causes tissue necrosis
<b>PROTOCOL USE</b>	<ul style="list-style-type: none"><li>• Adult Altered Level of Consciousness</li><li>• Adult Diabetic Emergencies</li></ul>