



Section 13: Appendix 1: Medications

DEXTROSE 10% (D10)

Pregnancy Category - C

A	AEMT	A
P	PARAMEDIC	P

ACTIONS	Restores blood sugar
INDICATIONS	<ol style="list-style-type: none"> 1. Treatment of altered mental status due to hypoglycemia 2. Adult blood glucose level less than 60 mg / dl, 3. Child blood glucose level less than 60 mg / dl 4. Neonate blood glucose level less than 40 mg / dl 5. Seizure or status epilepticus with associated hypoglycemia 6. Coma with associated hypoglycemia 7. Delirium tremens with associated hypoglycemia 8. Seizure or status epilepticus with associated hypoglycemia 9. Cardiac arrest with associated hypoglycemia
CONTRAINDICATIONS	<ol style="list-style-type: none"> 1. Known hyperglycemia 2. Intracranial / intraspinal hemorrhage
PRECAUTIONS	<ol style="list-style-type: none"> 1. Use with caution for stroke or head injured patients 2. A blood glucose level should be determined prior to and post dextrose administration
SIDE EFFECTS	<ol style="list-style-type: none"> 1. Hyperglycemia
SUPPLIED	250 ml bag or Dextrose 10% = 25 Grams total (10 Grams / 100 ml)
ADULT DOSAGE	25 g (250 ml) IVP may repeat if required
PEDIATRIC DOSAGE	<p>Child: 5 ml/kg IVP / IO dextrose 10% (D10), repeated as needed to maintain blood glucose level</p> <p>Neonate: 2 ml/kg IVP / IO dextrose 10% (D10), repeated as needed to maintain blood glucose level</p> <p>See <u>PEDIATRIC DRUG ADMINISTRATION CHART</u> for weight based administration</p>
KEY POINTS	Extravasation of Dextrose 10% causes tissue necrosis
PROTOCOL USE	<ul style="list-style-type: none"> • Neonatal Resuscitation • Pediatric Altered Level of Consciousness • Pediatric Asystole / PEA • Pediatric Diabetic Emergencies • Pediatric Head Trauma • Pediatric Seizure • Pediatric Shock