



Section 13: Appendix 1: Medications

DEXTROSE 25% (D25)

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. Child blood glucose level less than 60 mg / dl 3. Seizure or status epilepticus with associated hypoglycemia 4. Coma with associated hypoglycemia 5. Delirium tremens with associated hypoglycemia 6. Seizure or status epilepticus with associated hypoglycemia 7. Cardiac arrest with associated hypoglycemia
CONTRAINDICATIONS	<ol style="list-style-type: none"> 1. Known hyperglycemia 3. 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"> 2. Hyperglycemia
SUPPLIED	Prefilled syringes and vials containing 10 ml of Dextrose 25% (= 2.5 g of Dextrose)
ADULT DOSAGE	See dextrose 50% for adult dosage
PEDIATRIC DOSAGE	<p>Child: 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>Neonate: - 2 ml/kg IVP / IO dextrose 25% (D25), 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 25% causes tissue necrosis
PROTOCOL USE	<ul style="list-style-type: none"> • Pediatric Altered Level of Consciousness • Pediatric Asystole / PEA • Pediatric Diabetic Emergencies • Pediatric Head Trauma • Pediatric Seizure • Pediatric Shock