



Section 13: Appendix 1: Medications

DEXTROSE 50% (D50)

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 hypoglycemia2. Adult blood glucose level less than 60 mg / dl or signs and symptoms of hypoglycemia3. Coma with associated hypoglycemia4. Delirium tremens with associated hypoglycemia5. Seizure or status epilepticus with associated hypoglycemia6. Cardiac arrest with associated hypoglycemia
CONTRAINDICATIONS	<ol style="list-style-type: none">1. Known hyperglycemia2. Intracranial / intraspinal hemorrhage
PRECAUTIONS	<ol style="list-style-type: none">1. Use with caution with stroke or head injury patients2. A blood glucose level should be determined prior to and post dextrose administration
SIDE EFFECTS	<ol style="list-style-type: none">4. Extravasation of Dextrose 50% may cause necrosis5. Hyperglycemia
SUPPLIED	Prefilled syringes and vials containing 50 ml of Dextrose 50% (= 25 g of dextrose)
ADULT DOSAGE	Dextrose 50% (D50): 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
PEDIATRIC DOSAGE	See dextrose 25% for child dosage
KEY POINTS	Extravasation of dextrose 50% causes tissue necrosis
PROTOCOL USE	<ul style="list-style-type: none">• Adult Altered Level of Consciousness• Adult Diabetic Emergencies