

**DEXTROSE 10%**

**Classification:** Hyperglycemic Agent

**Action:** Increases blood sugar

**Indications:**

1. Blood glucose level < 60mg/dl with:
  - a. Altered LOC
  - b. Apnea / agonal respirations
  - c. Non-traumatic focal neurological changes
  - d. Seizures

**Contraindications:** **For patients with the signs or symptoms of a CVA, do not administer dextrose unless the Glucoscan/glucose test strip reading is < 60 mg/dl. If equipment is not available to test the blood glucose level, base physician approval must precede any administration of dextrose.**

**Adverse Effects:** **Metabolic**  
Pain/burning at injection site  
Tissue necrosis  
Hyperkalemia

**Preparation:** **Dextrose 10% in 250 mL bag**

**Administration:** **ADULT**  
150 mL rapid IV  
Repeat blood glucose in 5 min  
If blood glucose < 60 mg/dL repeat 100 mL IV

**PEDIATRIC DOSE (< 34 KG)**  
0.5 gm/kg (5 mL/kg) IV not to exceed 150 mL  
Repeat blood glucose in 5 min  
If blood glucose < 60 mg/dL repeat 0.5 gm/kg (5 mL/kg) IV not to exceed 100mL  
  
Administration with a syringe may be utilized for small volumes of less than 50 mL

**Onset:** Immediate

**Duration:** Brief