

DEXTROSE 25%

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: **Optional dilution when Dextrose 25% pre-load not available**

1. Use a 250 ml bag NS
2. Remove and discard 200 ml of NS
3. Add 50 ml of Dextrose 50%
4. Verify total volume of 100 ml of Dextrose 25%
5. This concentration is now approximately 0.25 Gm/ml

Administration: **PEDIATRIC DOSE (< 34 KG)**
0.5 Gm/kg (2 ml/kg) slow IVP over 5 minutes

Onset: Immediate

Duration: Brief

Notes:

- Dextrose 25% in water is a concentrated solution and is very irritating to the venous tissue. Cannulate as large a vein as possible and aspirate prior to administration.