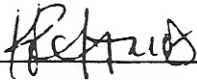


Subject: Scope of Practice/Procedure – EMT-II
Dextrose 50% (D₅₀) Protocol; Dextrose 25% (D₂₅) Protocol

- I. Class
 - A. Carbohydrate.
- II. Indications
 - A. Suspected hypoglycemia.
 - B. Altered level of consciousness in the adult or pediatric patient with blood glucose reading less than 80.
 - C. Altered level of consciousness in the neonate with blood glucose less than 40.
 - D. Coma of unknown etiology.
 - E. Status epilepticus.
- III. Therapeutic Effects
 - A. Restores blood sugar toward normal.
- IV. Contraindications
 - A. Absolute:
 - 1. Undiluted D₅₀ or D₂₅ can cause cardiac dysrhythmias or arrest in the Neonate. Dilute medication on Base Order only.
 - B. Relative:
 - 1. None.
- V. Adverse Effects
 - A. Severe tissue necrosis if administered via infiltrated IV site.
- VI. Administration and Dosage
 - A. Adult: 25 Gm D₅₀ via IV.
 - B. Pediatric: (< 35 kg) 0.5-1.0 Gm/kg (2-4 ml/kg) D₂₅ via IV or IO.
 - C. Neonate: 0.5-1.0 Gm/kg (3cc/kg) D₅₀ diluted to 10% concentration with normal saline via IV or IO. On Base Order only.
 - 1. To facilitate mixing, use 50cc NS bag, remove 10cc of solution and add 10cc of Dextrose 50% to form 50cc of 10% concentration. Appropriate dose can be withdrawn and administered IV or IO.
- VII. Special Information
 - A. Determine blood glucose level prior to administration of medication.

Approved: 

Approved as to Form: 