Medical Control Guideline: DRUG REFERENCE – DEXTROSE

Classification
Carbohydrate

Prehospital Indication
Hypoglycemia: blood glucose < 60mg/dL

Other Common Indications
None

Adult Dose
Dextrose 10% in water, 125 mL IV and reassess, if patient remains symptomatic, repeat x1 for a total of 250 mL

Pediatric Dose
= or <24 kg: Dextrose 10% in water, 5mL/kg IV in 1mL/kg increments dose per MCG 1309, reassess for clinical improvement after every 1mL/kg. Administer slow IVP. May repeat as needed, maximum total dose 5mL/kg. Recheck glucose pm after 3mL/kg infused.
>24 kg: Dextrose 10% in water, administer 120mL IVPB and reassess, continue infusion as needed with maximum dose of 5mL/kg

Mechanism of Action
Principal form of glucose (sugar) used by the body to create energy

Pharmacokinetics
Onset < 1min, peak effect dependent upon degree and cause of hypoglycemia

Contraindications
None

Interactions
None

Adverse Effects
Pain or burning at injection site
Phlebitis or thrombosis in vein of administration

Prehospital Considerations
• Confirm the IV line is patent prior to administration as severe tissue necrosis may occur with extravasation.
• Report and record blood glucose levels before and after administering this solution.