

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/IO 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 prn after 3mL/kg infused.

>24 kg: **Dextrose 10% in water, administer 125mL IVPB/IO** 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.