

D50 (50% Dextrose)

Protocols: Multiple

- **Type of drug:** Carbohydrate, Antihypoglycemic
- **Mechanism of Action:** rapidly increases blood glucose which is needed for adequate utilization of amino acids; decreases protein, nitrogen loss; prevents ketosis
- **Indications:** acute hypoglycemia
- **Contraindications:** hyperglycemia, CVA, delirium tremens
- **Precautions:** renal, hepatic, cardiac disease, diabetes mellitus
- **Route and Dosage:** **Adult** IV, 25 gm slow IVP; **Pediatric - < 31 Days:** D10 6 mL/kg IV / IO Repeat as needed. **31 Days to 2 Years:** D25 4 mL/kg IV / IO, Repeat as needed. **> 2 Years:** D50 2 mL/kg IV / IO. Maximum 25 g per dose. Repeat as needed
- **Adverse reactions and side effects:** CHF, pulmonary edema, venous irritation