

ILLINOIS REGION 3 PROTOCOLS

DEXTROSE 50%	
CLASS	Hyperglycemic agent; hypertonic agent
ACTION	Supplies supplemental glucose to elevate the blood sugar.
INDICATIONS	<ul style="list-style-type: none"> ▪ Hypoglycemia ▪ Suspected hypoglycemia in coma of unknown origin
CONTRAINDICATIONS	Do not administer to head injured patients unless they are hypoglycemic
PRECAUTIONS	<ul style="list-style-type: none"> ▪ Extravasation (infiltration) can cause pain, tissue necrosis
SIDE EFFECTS	<ul style="list-style-type: none"> ▪ Irritation to vein with pain and redness
ROUTE	IV
DOSE	25 grams (50 mL)
PEDIATRIC DOSE	(0.5-1.0 g/kg): <ul style="list-style-type: none"> ▪ > 8yrs. D50% 1-2ml/kg IV/IO ▪ 1-8 yrs. D25% 2-4 ml/kg IV/IO ▪ <1 yr. D12.5%* 4ml/kg IV/IO for infants ▪ Utilize Broselow tape or pediatric weight based dosing chart to confirm dose ▪ To make D12.5% dilute D25% 1:1 with sterile water ▪ Reference policy PED-12.2
ONSET	30 to 60 seconds
DURATION	Depends upon the level of hypoglycemia
STOCK	(2) 25 gram/50 mL Abbojects (50% solution) (1) 2.5 gram/10 mL Abboject for children over 2 months (25% solution)