

**ORANGE COUNTY EMS
PARAMEDIC PHARMACOLOGY HANDBOOK**

MEDICATION: DEXTROSE INJECTION, 50% (D ₅₀ W)	ADULT DOSE	PEDIATRIC DOSE	SIDE EFFECTS	PRECAUTIONS/COMMENTS
<p>CLASSIFICATION: Glucose Replacement</p> <p>MECHANISM OF ACTION:</p> <ul style="list-style-type: none"> Elevates blood glucose level. <p>INDICATIONS:</p> <ul style="list-style-type: none"> Blood glucose determination < 80. <p>DOSAGE FORM:</p> <ul style="list-style-type: none"> 25 gm/50 mL (50%), 50 mL prefilled syringe 	<ul style="list-style-type: none"> 50 mL of 50% solution (25 gm) IVP, may repeat once. 	<ul style="list-style-type: none"> 1 mL/kg IVP if > 2 years. 2 mL/kg 25% dextrose if < 2 years.* May repeat once in 5 minutes. Do not exceed adult dose. <p>* For pediatric patients < 2 years, dilute to 25% dextrose. Discard one half the volume of the D₅₀W syringe and then draw up the same volume of NS from IV tubing. Rotate to mix prior to administration.</p>	<ul style="list-style-type: none"> Hyperglycemia. Dehydration. 	<ul style="list-style-type: none"> Has a marked sclerosing effect on veins and can be damaging if injected into interstitial tissues. Monitor IV site for extravasation; aspirate before and during administration.