

# ORAL GLUCOSE

<b>DRUG CLASSIFICATION</b>	Glucose; Simple Sugar Carbohydrate Antihypoglycemic Agent Caloric Agent
<b>MECHANISM OF ACTION</b>	Oral glucose is a simple sugar that effectively promotes the secretion of the incretin hormone within the small intestine, stimulating insulin secretion, promoting the absorption of glucose into the bloodstream, and increasing the body's level of blood glucose.
<b>CLINICAL INDICATIONS</b>	Mildly Symptomatic Hypoglycemia BGL $\leq$ 69 mg / dL with Ability to Swallow and Self-Manage Airway
<b>STANDARD CONTRAINDICATIONS</b>	Known or Suspected Hypersensitivity to Glucose, Dextrose, Corn Products, or Other Relative Components Known or Suspected Intracranial Hemorrhage Inability to Follow Commands, Swallow, and/or Protect Own Airway Dehydrated Delirium Tremens or Other Signs of Severe Dehydration
<b>POTENTIAL ADVERSE EFFECTS</b>	Nausea / Vomiting / Aspiration / Electrolyte Imbalance / Reactive Hyperglycemia / Hyperosmotic Syndrome / Extravasation
<b>GENERAL RISKS &amp; PRECAUTION</b>	<b>1)</b> Be cautious of transient increases and decreases in BGL as oral glucose administration provides a simple sugar that can be metabolized quickly. <b>2)</b> Use caution in patients with impaired consciousness or mental status as oral glucose may increase the risk of aspiration. <b>3)</b> Do not administer oral glucose to patients who are not able to swallow or protect their airway. <b>4)</b> Patient's taking oral diabetic medications should be encouraged to allow transportation to a medical facility due to the risk of recurrent hypoglycemia that can be delayed for hours and require close monitoring even after normal blood glucose is established.
<b>PROTOCOL INDEX</b>	Diabetic; Adult (AM-2) Pediatric Diabetic (PM-2)

## MEDICATION ADMINISTRATION

### ADULT

### PEDIATRIC

**Mildly Symptomatic Hypoglycemia (BGL  $\leq$  69 mg/dL) + Ability to Swallow**  
Up to 1 tube or 15 g [PO]  
Consider other oral solutions such as juices and food.

**Mildly Symptomatic Hypoglycemia (BGL  $\leq$  69 mg/dL) + Ability to Swallow**  
 $\frac{1}{2}$  tube to 1 tube or 7.5 g up to 15 g [PO] (if age appropriate)  
Consider other oral solutions such as juices and food.