



EMS System for Metropolitan Oklahoma City and Tulsa 2025 Medical Control Board Treatment Protocols



Approved 9/04/24, Effective 1/15/25, replaces all prior versions

16S – GLUCOSE (ORAL)

EMERGENCY MEDICAL RESPONDER
EMT
EMT-INTERMEDIATE 85
ADVANCED EMT
PARAMEDIC

Class: Carbohydrate

Actions/Pharmacodynamics: Increases blood sugar level.

Indications: Altered Mental Status (Hypoglycemia) (6B)
Syncope (Hypoglycemia) (6E)
Dystonic Reaction (Hypoglycemia) (6F)
Behavioral Disorder (Hypoglycemia) (7A)
Dialysis-Related Issues (Hypoglycemia) (9E)
Complications of Pregnancy (Hypoglycemia) (13D)

Contraindications: Unconscious or semi-conscious and unable to follow simple commands. Care should be taken to prevent choking or aspiration of medication in semi-conscious patient.

Pharmacokinetics: Rapid oral absorption uptake to increase circulating blood sugar levels. Onset of effect within several minutes of oral dosing. Duration of effect up to 30+ minutes, but patient should be advised to consume complex carbohydrates within minutes of restoration of normal blood sugar, unless otherwise contraindicated.

Side Effects: None

Dosage: Altered Mental Status (Hypoglycemia) - Adult & Pediatric Weight \geq 25 kg (6B)
Syncope (Hypoglycemia) - Adult & Pediatric Weight \geq 25 kg (6E)
Dystonic Reaction (Hypoglycemia) - Adult & Pediatric Weight \geq 25 kg (6F)
Behavioral Disorder (Hypoglycemia) - Adult & Pediatric Weight \geq 25 kg (7A)
Dialysis-Related Issues (Hypoglycemia) - Adult & Pediatric Weight \geq 25 kg (9E)
Complications of Pregnancy (Hypoglycemia) - Adult (13D)
15 grams (1 tube) PO or SL for blood glucose $<$ 50 mg/dL



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PROTOCOL16S: Glucose (Oral), cont.

Dosage, cont.

Altered Mental Status (Hypoglycemia) - Pediatric Weight < 25 kg (6B)
Syncope (Hypoglycemia) - Pediatric Weight < 25 kg (6E)
Dystonic Reaction (Hypoglycemia) - Pediatric Weight < 25 kg (6F)
Behavioral Disorder (Hypoglycemia) - Pediatric Weight < 25 kg (7A)
Dialysis-Related Issues (Hypoglycemia) - Pediatric Weight < 25 kg (9E)
7.5 grams (1/2 tube) PO or SL for blood glucose < 50 mg/dL

How Supplied: 15 grams of glucose for oral administration in a squeeze tube container.
(Always check concentration and dose per container at time of patient medication administration)

Special Comment: Medical grade glucose should be utilized in place of sodas, candy, and other carbohydrate-heavy solid food. In many cases, the carbohydrate grams cannot be measured.