



## EMS System for Metropolitan Oklahoma City and Tulsa 2020 Medical Control Board Treatment Protocols



Approved 9/11/19, Effective 1/15/20, 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.