



El Dorado County Emergency Medical Services Agency

Quick Reference

Revised Date: July 1, 2020

Medication Profile

Dextrose 10%

Class:

Carbohydrate, hypertonic solution

Action:

Six-carbon sugar molecule, which is the principal form of carbohydrate utilized by the body. Elevates blood glucose level rapidly.

Onset: Immediate

Peak: Immediate

Duration: Varies

Adult Administration:

100cc of a 250cc bag of Dextrose 10% (10gm) IV bolus. May repeat every 5 minutes until BS is at normal limits.

Pediatric Administration:

Neonatal (less than 1 month)

2mL/kg IV/IO May repeat every 5 minutes until BS is at normal limit

Infant/child (greater than 1 month)

5 mL/kg IV/IO may repeat 5 minutes until BS is at normal limit

Indications:

Hypoglycemia

Contraindications:

Hyperglycemia

- Neonate less than 1 month
 - BS less than 50mg/dL
- Infant/child greater than 1 month
 - BS less than 60mg/dL
- Adult
 - BS less than 60mg/dL

Side Effects:

ENDO: Hyperglycemia

Pregnancy:

Category A

Notes:

- Effects may be delayed in elderly patients with poor circulation and those who have had

prolonged hypoglycemia.

This document is not a substitute for Protocols and Procedures.

Effective Date: January 1, 2019

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This document is not a substitute for Protocols and Procedures.

Effective Date: September 1, 2020