EMS Adult Protocols

Protocol Title: Temporary Dextrose 50% Substitute
Original Adoption Date: 07/19/2019
Past Protocol Updates: N/A
Date of Most Recent Update: N/A
Medical Director: Chad Torstenson M.D.

PURPOSE: There is a nation-wide shortage of Dextrose 50%. This shortage is expected to last into March of 2020. The purpose of this guideline is to advise Emergency Care Providers (ECP) of substitutes that will be stocked in place of 50% Dextrose during the shortage.

INDICATIONS: When an ECP encounters the need to administer 50% Dextrose, or 25% Dextrose as recommended by the following Adult and Pediatric protocols: Altered Mental Status, Cerebrovascular Event, and Seizures – they may substitute with 10% Dextrose, and administer the appropriate volume to achieve the recommended dose of dextrose.

Common Dosing Conversion:

10% Dextrose = Each 100ml contains 10G Dextrose.

250ml of 10% Dextrose = 25 Grams Dextrose
125ml of 10% Dextrose = 12.5 Grams Dextrose
Pediatric: Administer 10% Dextrose 5 - 10 ml/kg IV or IO Bolus
Newborns: Administer 10% Dextrose 2-4 ml/kg IV or IO Bolus.