GLUCOSE EMERGENCIES HYPOGLYCEMIA / HYPERGLYCEMIA

UPDATED 4/2025

ALL PROVIDERS						
 Blood glucose assessment (heel stick is preferred in need) Hypoglycemia is defined as: <50 mg/dl for adults <60 mg/dl for children 	Blood glucose assessment (heel stick is preferred in newborns or infants). Hypoglycemia is defined as: <50 mg/dl for adults <60 mg/dl for children 					
 Treatment Plan In cases of hypoglycemic seizures, care should be taken to stop seizures prior to administering glucose. Insulin pump in place: Hypoglycemic patient with altered mentation - Care is directed at treating hypoglycemia first, then stopping administration of insulin. Turn off the insulin pump, if able. If no one familiar with the device is available to assist, disconnect pump from patient by either: Using quick release where the tubing enters the dressing on patient's skin. Completely remove the dressing, thereby removing the subcutaneous needle and catheter from under the patient's skin. When mental status returns to normal, the patient should be strongly encouraged to eat. Criteria for scene release (non-AMA) of hypoglycemic patient: Patient does not want to be transported. Return to apparent normal mental capacity following treatment. Repeat blood glucose after treatment to achieve >70. Known diagnosis of diabetes. The patient does not have access to oral medications to control diabetes. No suicidal ideations or recent suicide attempts. There is at least one responsible party that can assist them in their recovery and is comfortable in their care. Children should be considered for transport for evaluation regardless of improvement in the field due to other possible etiologies for the episode. 						
 Do NOT attempt to give oral glucose to those who are is diminished. Transport any patient who is at risk for prolonged or re or oral hypoglycemic overdose. If the patient is hypoglycemic and has a seizure, reched recurrent low blood sugar that may need treatment. ADULT	ecurrent hypoglycemia such as long-acting insulin					
EMT	EMT					
	Dextrose Oral glucose 7.5 grams if patient is able to protect airway Repeat in 15 minutes as needed					

AEMT AEMT ☐ Vascular access and fluid therapy ☐ Vascular access and fluid therapy **HYPOGLYCEMIA HYPOGLYCEMIA** ☐ Dextrose 50% 12.5 grams (25mL) IV/IO. May ☐ <u>Infants up to 1 year</u> repeat as necessary. Dextrose 10% 5 mL/kg (0.5 grams/kg) ☐ **Dextrose 10%:** Infuse **125 mL** (12.5 grams), IV/IO. May repeat as necessary (Max of 125 then recheck blood sugar. If repeat blood mL (12.5 grams)). glucose < 70, may repeat 125mL dose. ☐ Children greater than 1 year ☐ Glucagon 1 mg IM if no IV/IO access available Dextrose 25% 2 mL/kg IV/IO: repeat as necessary (Max 12.5G/50mL) Dextrose 10% 5 mL/kg (0.5 grams/kg) IV/IO. May repeat as necessary (Max of 125 mL (12.5 grams)). Glucagon 0.01 mg/kg (Max 1 mg) IM if no IV/IO access available **HYPERGLYCEMIA** HYPERGLYCEMIA (BGL >300 mg/dL W/ Altered Mental Status, (BS > 300 mg/dL)Concern for DKA/HHS, or low ETCo2) □ NS / LR 500 mL IV/IO over 30–60 minutes NS / LR 20 mL/kg IV/IO over 30–60 minutes Lactated Ringers is preferred in Lactated Ringers is preferred in DKA/HHS, low ETCo2 patients DKA/HHS, low ETCo2 patients **PARAMEDIC** PARAMEDIC