

Patient Care

If patient has a blood glucose reading of less than 4 mmol/L, follow the hypoglycemia protocol for all following treatments

If patient is alert and can be treated with oral glucose:

For patients 1 to 12 months of age:

Give sucrose 6 g PO once. 30 mL of 20% sugar water, prepared by mixing 12 grams (three 4 - gram packets) of table sugar in 59 mL of sterile water and shaking for 1 minute

For patients from 1 to less than 5 years of age:

Give 6 grams fast-acting carbohydrate PO once: Dextrose tablet (Dex4®) 1.5 tablets or 45 mL of orange or apple juice

For patients from 5 to 10 years of age:

Give 12 grams of fast-acting carbohydrate PO once: Dextrose tablets (Dex4®) 3 tablets or 90 mL of orange or apple juice

For patients greater than 10 years of age:

Give 16 grams of fast-acting carbohydrate PO once: Dextrose tablets (Dex4®) 4 tablets or 120 mL of orange or apple juice

Medications

If patient is alert, but CANNOT be treated with oral glucose (e.g. NPO or vomiting):

For patients less than or equal to 2 years of age:

I glucagon 0.02 mg (2 units) subcutaneous once and call MD

For patients 3 to 15 years of age:

I glucagon mg (units) subcutaneous once (0.01 mg (1 unit)/year of age) and call MD

For patients greater than 15 years of age:

I glucagon 0.15 mg (15 units) subcutaneous once and call MD

If patient is unconscious and/or seizing without IV access:

For patients less than 5 years of age:

PTN Review Date: October 9, 2018

glucagon 0.5 mg IM or subcutaneous once and call MD

For patients greater than or equal to 5 years of age:

I glucagon 1 mg IM or subcutaneous once and call MD

IV Infusions

If patient is unconscious and/or seizing with IV access:

D10W ____mL (2 mL/kg) IV bolus (Maximum: 150 mL) and call MD

PTN# EndoHGv1

Signature:

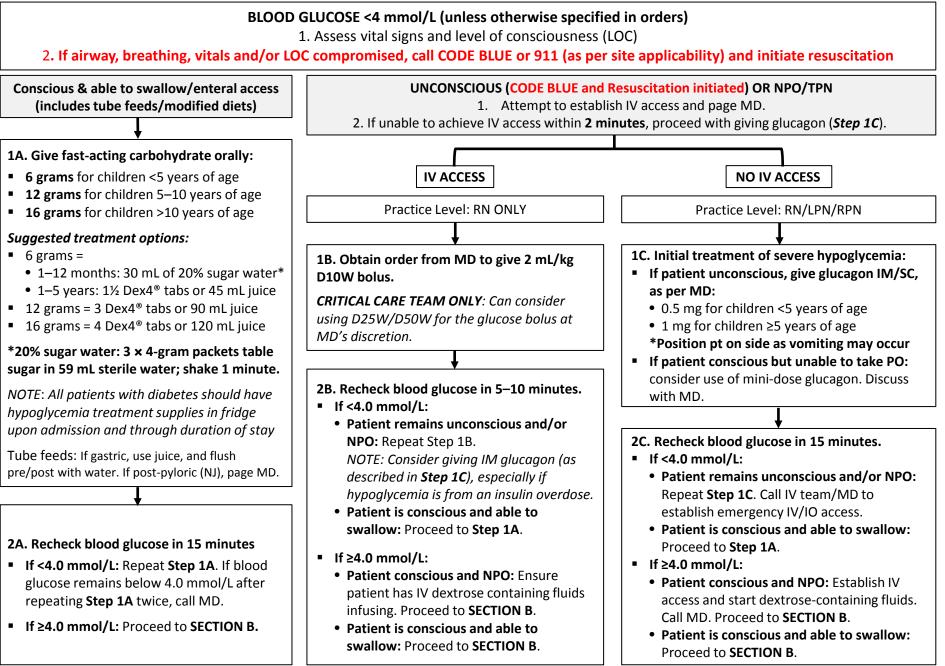
Print Name:

College ID:___

Pager:

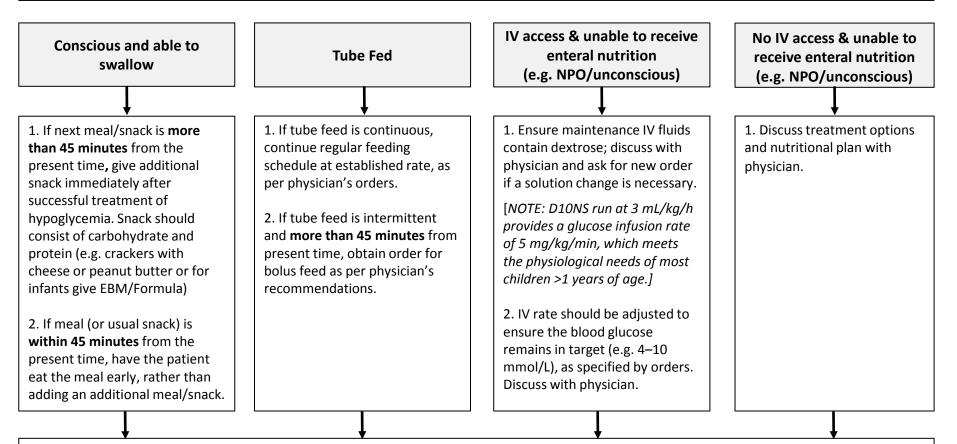
SECTION A: PEDIATRIC HYPOGLYCEMIA MANAGEMENT ALGORITHM FOR PATIENTS WITH DIABETES

NOT FOR USE FOR HYPOGLYCEMIA TREATMENT IN INFANTS <1 MONTH OF AGE



SECTION B: ONGOING MANAGEMENT OF PATIENTS WITH DIABETES, POST HYPOGLYCEMIA TREATMENT

(NOTE: Blood glucose must be ≥4.0 mmol/L)



- Re-check blood glucose 2 hours post hypoglycemia treatment, to ensure it remains ≥4.0 mmol/L
 - If <4.0 mmol/L, initiate appropriate hypoglycemia algorithm (SECTION A) and call physician
 - If ≥4.0 mmol/L, check blood glucose before next meal/snack, bedtime, or as per physician's orders
- Review possible causes of hypoglycemia, and discuss with physician/care team. Institute prevention measures as appropriate.

Contributors:

Dr. Colleen Nugent; Michelle Fairney RN; Jill Middlemiss RD, CDE; Cristina Pepe RN, CDE; Dr. Daniel Metzger; Dr. Shazhan Amed; Dr. Jean-Pierre Chanoine; Dr. Kristopher Kang; Janet Bartnik RN, CNE; Heather Nichols RN, CDE.