The MOLLY Center for Pediatric Diabetes and Endocrine Disorders
Calculation Sheet for Rapid Acting Insulin Bolus

Step 1. Calculate Carbohydrate Bolus

\[
\frac{\text{Carbohydrates (CHO) in Meal or Snack}}{\text{Carbohydrate (CHO) Ratio}} = \text{Carbohydrate (CHO) Bolus}
\]

Step 2. Calculate Correction Bolus

\[
\frac{\text{Present Glucose} - \text{Target Glucose}}{\text{Glucose to Correct}} \div \text{Correction Factor} = \text{Correction Bolus}
\]

Step 3. Calculate Total Insulin Bolus

\[
\text{Carbohydrates (CHO) Bolus} + \text{Correction Bolus} = \text{Total Bolus units of rapid acting insulin}
\]

CARBOHYDRATE RATIO- How many grams of carbohydrates will be covered by one unit of insulin
CORRECTION FACTOR- How many points one unit of insulin will lower the blood glucose.
TARGET GLUCOSE- Target blood glucose value used for insulin dose calculations
Insulin Dose is…

Insulin to Carb ratio = 1 : _____

Correction factor =
1 unit lowers BS by _______

Down to target BS _______

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