

Hypoglycemia Treatment for Closed Loop Insulin Pumps

1. If blood sugar/CGM reading is less than 70, or in response to an urgent low soon CGM alert treat with one of the following fast-acting carbohydrate options

regular juice	soft peppermints
regular soda	skittles
regular sports drink	glucose tablets (<i>read food label</i>)
Glucose gel	honey (<i>if over 2 years old</i>)

These pumps require less rapid acting carbs. Recommendations are:

- If blood sugar/CGM reading is **55-69** or if an urgent low soon alert give **5-10** grams of rapid acting carbs
- If blood sugar/CGM reading is less than **55** then give **10-15** grams of rapid acting carbs

The hybrid closed loop pump adjusts insulin to get and keep your blood sugar at your target. Unlike insulin shots, your pump may be able to prevent a low blood sugar by giving less insulin as your blood sugar starts to drop. It is important to be patient before treating low blood sugars! In most cases we recommend waiting to treat until blood sugar/CGM reading is less than 70 or in response to an urgent low soon alert.

2. **WAIT 15 MINUTES**, then recheck **Blood Sugar**.

- If your Blood Sugar is **below 70**, then repeat step 1 & 2

3. Things to consider:

- Treating lows with too many carbs can cause issues with the pump algorithm and can cause more lows.
- Lows that happen within 90 minutes of a meal/snack or when you have insulin on board (IOB) may require more carbs than usual. You can discuss if this is appropriate with your provider.