Insulin Algorithm for Humalog

Correction Dose Insulin Algorithm for Humalog - for pre-meal only NOT bedtime

Point-of-Care Test (POCT) Blood Glucose (BG): Four (4) times per day before meals and at bedtime AND prn for suspected hypoglycemia

Pre-meal POCT BG (mmol/L)	NovoRapid (aspart) Insulin
Less than 4.0	Follow hypoglycemia protocol and notify ordering provider
4.0-7.9	0 units
8.0 to 10.9	+ 1 unit
11.0 to 13.9	+2 units
14.0 to 16.9	+3 units
17.0 to 19.9	+4 units
Greater than or equal to 20.0	+5 units and notify ordering provider

Hypoglycemia Management

If patient exhibits or reports signs or symptoms of hypoglycemia, perform POCT BG. If POCT BG is less than 4.0 mmol/L, treat as below:

1. Administer 15 grams of a carbohydrate (4 glucose 4g tablets; 100 mL fruit juice - apple preferred; 1 glucose gel 15g packet).
2. Repeat POCT BG in 15 minutes.
3. If after 15 minutes BG is 4.0 or greater do not re-test.
4. If after 15 minutes BG is less than 4.0 repeat treatment and testing.
5. If meal not due within 1 hour provide a snack (i.e., cracker and cheese/peanut butter).
6. Document and notify ordering provider.