



MUSC Pediatric Endocrinology and Diabetes Insulin Management Orders

Student: _____ Date of Birth: _____
School: _____ County: _____ Fax Number: _____
Diagnosis: () Type 1 Diabetes () Type 2 Diabetes () MODY () Other : _____

Task	By Nurse	With Nurse Supervision	Independent: Nurse does not need to monitor student	Independent: Nurse to monitor student ____ times per week
Blood glucose monitoring				
Carb counting				
Calculating insulin dose				
Drawing up insulin				
Administering insulin				
Changing pump site				

- () Student may self-carry all supplies in school, on school bus, for extracurricular activities, and school trips.
() Student may be independent for conscious hypoglycemia and carry supplies for treatment of conscious hypoglycemia.
() Student able to self manage and parents agree for school field trips

Monitor Blood Glucose:

- Monitor before meals, physical activity, and dismissal
- Monitor for symptoms of hyper/hypoglycemia
- **Allow use of CGM readings** if between 70–300 mg/dL and consistent with symptoms **(if approved by district)**

****** If two periods of physical activity are less than 1 hour apart, blood sugar may be checked once before the first activity. Continue to watch for symptoms of low blood sugar and treat as needed.******

Perform finger stick if:

- CGM still reads <70 mg/dl 15 minutes after treatment
- CGM lacks both number and trend arrow
- CGM reading is unavailable or changing rapidly
- Suspected CGM failure

Low Blood Glucose (<70 mg/dL):

- Give 15g carbs (4 oz juice, 1 pack gel, 4 glucose tablets). Recheck in 15 minutes (finger stick). Repeat if still <70 mg/dL.
- **For UNCONSCIOUS HYPOGLYCEMIA or SEIZURE:** Give _____mg Glucagon IM, **or** 3mg nasal Baqsimi, **or** Gvoke (0.5mg for ages 2–11, 1mg for 12+), **or** Zegalogue 0.6mg SQ. Turn student on their side and **call 911**. (All Glucagon forms are interchangeable and approved for school use.)
- **If on insulin pump and severe low BG occurs**, stop insulin by suspending the pump OR disconnecting it from the body. **Always send the pump with EMS to the hospital.**

High Blood Glucose Orders:

- **Before Meals:** Give correction insulin before eating – follow correction/sliding scale on page 2.
- **INJECTIONS:** Sliding Scale/Correction Factor: Should not be given more frequently than every 3 hrs from last insulin dose.
- **INSULIN PUMP:** Use pump-calculated correction; cannot be given more frequently than every 2 hrs from last dose.
 - For BG >300 mg/dL that has not decreased in 2 hrs after correction, consider pump failure. Call parents and give insulin **by injection only**. Repeat corrections every 3 hrs and continue to give insulin for carb coverage with meals/snacks.

KETONES: Check urine/blood ketones if BG >240 for >3 hours on CGM or after two consecutive readings >240 on glucometer.

- For moderate to large ketones, add _____unit(s) to correction and give extra water to drink.
- Even with positive ketones, the child should remain at school if clinically well (i.e. not vomiting, able to concentrate). **If ketones are moderate to large with vomiting, give correction before sending home with parent.**
- **Pump + Ketones:** Use pump to calculate correction but give via **injection only**. Alert parents to **change site**.
- **CALL EMS FOR SHORTNESS OF BREATH (KUSSMAUL BREATHING) AND LETHARGY.**

PE/Exercise and Before School Dismissal:

- **BG <70 mg/dL:** Treat per low BG protocol. May participate in PE or be dismissed from school when **BG >100 mg/dL**.
- **BG 70–100 mg/dL:** Give **15g uncovered snack**. May immediately participate in PE or be dismissed from school.
- **BG >240 mg/dL with moderate/large ketones:** **No exercise**. Refer to high BG orders.

Administer short-acting insulin (Novolog, Humalog, Admelog, Apidra, or Fiasp) per prescribed ratio below. All insulin brands/generics are interchangeable for school use. Confirm insulin is short-acting, not long-acting.

Rounding Rules Injections: **Whole unit** (round down 0.1-0.4, round up 0.5-0.9) **Half unit** (Round down 0.1-0.3, round to half unit 0.4-0.6, round up 0.7-0.9)

Insulin Injections

BREAKFAST: Insulin/Carbohydrate ratio 1 unit for every _____ grams of carbohydrates

LUNCH: Insulin/Carbohydrate ratio 1 unit for every _____ grams of carbohydrates

SNACK: Insulin/Carbohydrate ratio 1 unit for every _____ grams of carbohydrates

****Snack Insulin Guidelines:** If student on injections and it's been **≥3 hours** since the last insulin dose: give **carb coverage and correction PRN for high blood sugar**. If it's been **<3 hours**: give **carb coverage only (no correction)****

Correction Factor

OR

Sliding Scale

Correction Dose = $\frac{\text{Current Blood Glucose} - \text{Target Glucose}}{\text{Correction Factor}}$

Target Glucose: _____

Correction Factor: _____

Blood Glucose >120, give _____ units

Blood Glucose >150, give _____ units

Blood Glucose >200, give _____ units

Blood Glucose >250, give _____ units

Blood Glucose >300, give _____ units

Blood Glucose >350, give _____ units

Insulin Pump

- Follow pump instructions. School may confirm model of insulin pump with parent/caregiver
- In case of pump failure or if the student switches back to injections, follow injection orders above
- May utilize pump activity/exercise feature for student during physical activity if parents/guardians request/consent

Insulin Pump Settings:

Time	Carbohydrate Ratio	Correction Factor	Target Glucose

**** If using a CGM or pump, the student's diabetes devices and cell phone MUST stay near the student to deliver insulin and monitor blood glucose. Wi-Fi and Bluetooth may be needed for proper function of prescribed diabetes device****

Additional notes:

Completed By: _____ Printed Name: _____ Signature _____

Authorized By:

Printed Name of Legal Prescriber

Signature of Legal Prescriber

Date

I give permission for my child to receive the above medication/procedure as directed. I understand that the school nurse and my child's diabetes team may exchange my child's health information in order to meet my child's care needs at school.

Signature of Parent/Legal Guardian

Date

Phone Number of Parent/Legal Guardian

School Nurse (print name and title)

Signature of School Nurse

Date

MUSC Pediatric Endocrinology and Diabetes

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