



# Guidelines for Sick Days & Pump Failure

Blood Glucose, Urine Ketones and Insulin Dosing

Sparrow Pediatric  
Endocrinology Clinic

1200 E Michigan Ave

Ste. 460

Phone: 517-364-5490

517-364-5499

Patient Name: \_\_\_\_\_ DOB: \_\_\_\_\_

Emergency-after hours 517-364-1000, Operator  
to page pediatric diabetes provider on call.

Date: \_\_\_\_\_

**STOP**

If your child is vomiting and can't stop, or can't take fluids, go to the ER. Call 911 if your child has difficulty breathing, or has received Glucagon for a low blood glucose seizure or is unresponsive. Your child needs emergency care now!

Child has ketones, and blood glucose greater than 180 mg/dL, and IS NOT VOMITING:

Urinary ketones are SMALL:

Give 10 % of total daily dose = \_\_\_\_\_ units of Novolog™ by syringe.

Urinary ketones are MODERATE:

Give 15 % of total daily dose = \_\_\_\_\_ units of Novolog™ by syringe.

Urinary ketones are LARGE:

Give 20 % of total daily dose = \_\_\_\_\_ units of Novolog™ by syringe.

Your child must drink 8 ounces of water every hour, recheck blood and urine every hour. **Do not give extra novolog sooner than every 3 hours for ketone coverage.** Extra Novolog™ will be needed for meals.

Child has ketones, and blood glucose is less than 180 mg/dL, and IS NOT VOMITING: (may need juice and water for fluids)

Urinary ketones are SMALL :

Give 5 % of total daily dose = \_\_\_\_\_ units of Novolog™ by syringe.

Urinary ketones are MODERATE:

Give 7.5 % of total daily dose = \_\_\_\_\_ units of Novolog™ by syringe.

Urinary ketones are LARGE:

Give 10 % of total daily dose = \_\_\_\_\_ units of Novolog™ by syringe.

Your child must drink 8 ounces of fluids every hour, recheck blood and urine every hour. **Do not give extra novolog sooner than every 3 hours for ketone coverage.** Extra novolog will be needed for meals.

**IN THE EVENT OF PUMP FAILURE:** immediately give an injection of Lantus™ or Levemir™ (basal insulin). Give Novolog™ with meals and snacks by syringe or pen. Call pump company for service on your pump.

Lantus™ OR Levemir™ \_\_\_\_\_ Insulin to Carb ratio: \_\_\_\_\_

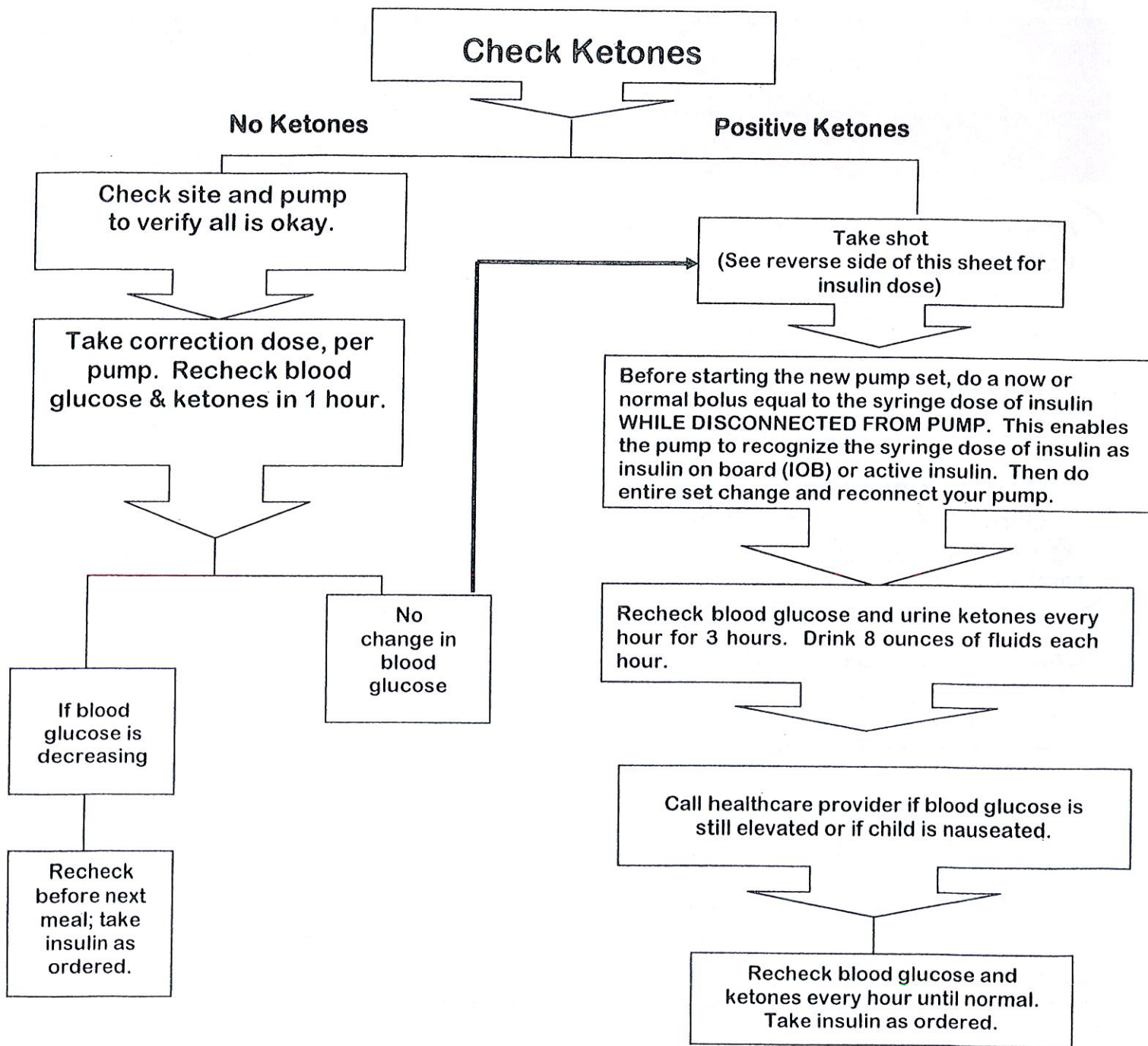
Insulin correction/sensitivity factor: \_\_\_\_\_

Blood glucose target: \_\_\_\_\_

Average total daily dose of insulin: \_\_\_\_\_

## Preventing DKA

*When you are ill, even if the blood glucose reading is normal or low, or the blood glucose reading is 250 mg/dl or greater, you must check your urine for ketones. Please follow the diagram below for treatment.*



Take basal dose of Lantus™ or Levemir™ as soon as you realize your pump is malfunctioning. Begin insulin to carbohydrate dosing for meals.

I:C total grams of carbs / \_\_\_\_\_ = units of novolog for food

Number on meter – target/correction factor = extra novolog to bring you back to target

} Meal dose. Do not dose sooner than every 3 hours.