Children's MINNESOTA

FOR THE MOST AMAZING PEOPLE ON EARTH.

# PEDIATRIC DKA PREVENTION DECISION TREE - Pumps

**If sick or Blood Sugar above 300 Always CHECK KETONES**

**Urine Ketones Negative or Blood ketones below 0.6**

Check site, infusion set, pod site, PDM & pump to make sure working properly

Problems with pump or pod

1.Give correction dose <u>with a syringe</u>
2.Change infusion set or pod
3.Troubleshoot pump

Recheck blood sugar in 1 hr. & monitor closely for rest of day.

NO problems with pump or pod

Give correction dose using pump. Do not eat carbs for 1 hour.

1. Recheck blood sugar in 1 hr. If blood sugar has not started to decrease or has increased, give correction dose <u>with a syringe</u>.

2. Change infusion set or pod.

**Urine Ketones Positive or Blood ketones above 0.6**

Standard pump

Hybrid Closed Loop Pump

**<u>STOP</u> Control IQ or Auto-mode**

**Medtronic **Turn **on** Suspend on low when you turn **off** the auto mode feature setting.

Give correction dose **<u>with a SYRINGE/PEN</u>** NOT with the pump

**Small/Moderate Ketones**
**<u>Blood ketones 0.6-1.5</u>**
**Give usual correction dose + 50% extra (ex-For a dose of 2units, adding 50% would equal a total of 3units)

**Large Ketones**
**<u>Blood ketones above 1.5</u>**
**Double usual correction dose

1. Push Fluids (3-4oz. glass of water every 30 min.)
   - Sip on carb containing fluids slowly about every 15 minutes if vomiting or unable to eat carbs.
2. <u>Change infusion set</u> & Troubleshoot pump
3. Monitor blood sugars every 3hrs until improved
4. Call your physician if no improvement (blood sugars remain high, ketones persist and/or vomiting occurs)

You may need to give additional correction doses every 3 hours until blood sugars improve. Call physician if blood sugars don't improve after 2 extra high doses. Monitor closely for rest of day.

***Once ketones are negative restart your usual pump use and settings.**

**McNeely Pediatric Diabetes Center, (651) 220-6624**