

# Pump Failure Steps

Family is in charge of having access to all current pump settings

- Upload pump often to keep current record of pump settings OR keep a written record of pump settings.
- Keep unopened long-acting insulin in fridge.

## If Pump Fails:

1. Call pump company; report failure.
2. Check glucose. If more than 250 mg/dL, check for ketones.
3. If ketones present, follow **Sick Day** guidelines.
4. Return to giving insulin with vial or pen.

## Return to Injections:

- **If pump arriving less than 12 hours:**
  - Check glucose and give correction dose with rapid-acting insulin every 2-3 hours as needed using correction factor(s)
  - Give rapid-acting insulin for carbs using carb ratio(s)
  - Restart pump with settings from records.  
**Call pump company to help program pump if needed.**
- **If pump arriving more than 12 hours:**
  - Start long-acting insulin: Dose of long-acting insulin is the Total Daily Dose of basal insulin; found in the pump upload data or on the basal program screen in pump.
  - Give rapid-acting insulin using carb ratio(s)/correction factor(s).
  - Program replacement pump using current pump settings in records.  
**Call pump company to help program pump if needed.**
  - Restart pump 24 hours after last dose of long-acting insulin.

# KISS for Insulin Pumps

If glucose levels are more than 250mg/dL for no reason, or you feel sick, just **KISS**:

**K** **Ketones** – check for them

**I** **Insulin**  
**If negative/trace/small ketones**

**S/S**

- Correct with pump.
- Re-check glucose and ketones in 2 hours.
- If ketones are higher or if glucose has not come down, remove pump and give insulin with pen or vial using **Sick Day** page and do a **Set/Site change (S/S)**.

**If moderate/large ketones**

- Remove pump: give insulin with pen or vial using **Sick Day** page and do a **Set/Site change (S/S)**.

\*Also read "**Sick day management/high glucose**" page\*

## Pump Tips

### Tandem/Medtronic:

When you need to give a shot of insulin, you need the pump to track insulin on board (IOB): disconnect the infusion set at site, deliver a bolus in the pump equal to the shot dose, then reconnect after site change.

### Omnipod:

When you need to give a shot of insulin, you need the pump to track insulin on board (IOB): remove pod from body, deliver a bolus in the pump/pod equal to the shot dose, deactivate the old pod, then place/activate a new pod.