Treating High Blood Sugar (BG)
When Using an Insulin Pump

Symptoms of high BG include nausea, vomiting, stomach pain, fruity-smelling breath, lack of appetite, frequent urination, extreme thirst, weakness, blurry vision, warm/flushed skin, drowsiness, breathing problems, and unconsciousness.

If BG is more than 300mg/dl (points)
Check for missed bolus, Check site and tubing,
Check carb counting at last meal

If no explanation for high BG
Check ketones

If BG is less than 300mg/dl (points)
Give correction dose suggested by pump

NO ketones

Give correction dose suggested by pump

If BG has dropped at least 50mg/dl (points) recheck per usual schedule

If you have reason to suspect an illness (fever, etc.) call 415-353-7337. Tell the operator you need to speak with the on-call diabetes doctor.

If there are no signs of illness, give a correction dose of insulin by injection but NOT with pump. Increase the usual correction dose by 10%. Disconnect the infusion set and manually program the pump to deliver the dose you just gave by shot, but let the insulin drip out. (Remember the pump is NOT connected to you). This is a “fake” bolus to prevent “stacking” insulin doses by pump later on.

POSITIVE ketones suggest a problem with insulin delivery or a serious illness

If you have reason to suspect an illness (fever, etc.) call 415-353-7337. Tell the operator you need to speak with the on-call diabetes doctor.

If there are no signs of illness, give a correction dose of insulin by injection but NOT with pump. Increase the usual correction dose by 10%. Disconnect the infusion set and manually program the pump to deliver the dose you just gave by shot, but let the insulin drip out. (Remember the pump is NOT connected to you). This is a “fake” bolus to prevent “stacking” insulin doses by pump later on.

If BG has NOT dropped at least 50mg/dl (points), give injection with syringe or pen, NOT with pump

Recheck BG in 1 hour

Encourage carb free liquids until BG is less than 200mg/dl (points)
If hungry, encourage low carb foods

If there are no signs of illness, give a correction dose of insulin by injection but NOT with pump. Increase the usual correction dose by 10%. Disconnect the infusion set and manually program the pump to deliver the dose you just gave by shot, but let the insulin drip out. (Remember the pump is NOT connected to you). This is a “fake” bolus to prevent “stacking” insulin doses by pump later on.

If the BG has dropped at least 50mg/dl (points) recheck per usual schedule

If the BG has NOT dropped at least 50mg/dl (points) or nausea has developed, check ketones and call 415-353-7337. Tell the operator you need to speak with the on-call diabetes doctor.

If the BG has dropped at least 50mg/dl (points) or nausea has developed/persisted, recheck ketones and call 415-353-7337. Tell the operator you need to speak with the on-call diabetes doctor.

If the BG has NOT dropped at least 50mg/dl (points) or nausea has developed, check ketones and call 415-353-7337. Tell the operator you need to speak with the on-call diabetes doctor.