

How to Prevent Ketoacidosis While on a Pump

<p>Causes of unexplained high blood sugars when on an insulin pump</p>	<p>Your insulin pump uses rapid-acting insulin only. If insulin delivery is interrupted, ketosis can develop very quickly. Possible causes of unexplained high blood sugars (over 300) could be:</p> <ul style="list-style-type: none"> • Empty cartridge • Kink in cannula or tubing • Insulin that has lost its potency or is expired • Infusion set was inserted into scar tissue – that means insulin can't be absorbed • Infusion set got disconnected from pump • Insulin is not absorbing for unknown reason
<p>Treatment for unexplained blood sugar over 300</p>	<ul style="list-style-type: none"> • Check tubing for leaks, air bubbles and kinks, and see if the set is inserted properly. • Test for ketones immediately. • If negative or trace ketones: Give correction bolus on pump and retest in 1 hour. • If blood sugar is not lower in 1 hour, give another correction by injections with a syringe or insulin pen and change the infusion set. • If ketones are moderate, give 1.5 times correction bolus by injection and change infusion set. • If ketones are large, give 2 times correction bolus by injection and change infusion set. • Continue to check for ketones every 2 hours until negative. • Use the same guidelines for extra correction insulin if you have ketones due to illness. <p>Corrections may be given every 2 hours on an insulin pump.</p>
<p>If you need to go off your pump and start injections</p>	<p>Basal insulin dose (Lantus, Tresiba, Detemir): this is the amount of basal insulin that you receive on the pump in a 24-hour period. You can find this on your pump settings report or on the pump itself under the basal menu- basal review.</p> <p>Carb and correction ratios: These can be found on the software pump report or on the pump under bolus menu - bolus setup - review settings.</p>

