

What to do with your Insulin pump if you have medical tests

Pumps and medical tests

Your insulin pump should not be exposed to x-rays, radiation and strong magnetic fields. The very strong magnets in MRI can interfere with the motor in your pump and change how much insulin you receive. If you use a metal (stainless steel) inner cannula, it should also not be exposed to strong magnets from MRI. Soft cannulas are not a problem.

What do I do if I have a medical test?

All insulin pump companies recommend that you disconnect or take your pump off for many tests where there is a risk of exposure to x-rays, radiation or MRI. You will have to leave your pump outside the room where the test is done. Ask that it be locked away or give it to a friend or family member if they are going with you to the test.

Do I have to adjust my insulin for the test?

Use the advice given by your educator or doctor for disconnecting your pump. In general if your pump is disconnected for less than 1 hour, you do not need to make any changes. If you will be disconnected for longer periods of time you can take a bolus to replace your missed basal before you disconnect. If you know ahead of time that you have to be disconnected for several hours for your test and are not sure what to do, please call your diabetes educator for advice.

When should I disconnect for a test?

Disconnect and lock pump outside testing area/room for the tests below ↓	You do not need to disconnect for the tests below ↓
<ul style="list-style-type: none"> • CT Scan and MRI – if you use a metal cannula or an Omnipod, you must remove it before entering the room and insert a new one after the test is done • Body x-rays, fluoroscopy • Mammogram and bone density • Nuclear stress test (can stay connected while radioisotope/dye is injected but disconnect for the actual test and leave pump outside test area/room) • Therapeutic radiation/Oncology (cancer treatment) • Cardiac catheterization • EKG (electrocardiogram) • Pacemaker/Automatic implantable Cardioverter-Defibrillator (AICD) • Electro-cautery surgery 	<ul style="list-style-type: none"> • Ultrasound (transducer should not point directly at the pump or insertion site) • Colonoscopy • Laser Surgery (interference may cause pump to alarm) • Dental x-rays (make sure the pump is covered by lead apron placed on you)

What if medical personnel caring for me suggest that I keep my pump on?

Insulin pumps are a very specialized way to manage diabetes. Not all medical personnel are familiar with them and may not have special training about them. It is your right to follow the advice listed in this information sheet. This advice was carefully reviewed to make sure that you and your pump are safe during these tests.

If needed, you can:

- call at any time the customer support number at the back of your pump
- or call the Endocrine and Diabetes Center during regular hours
- or request to speak to the supervisor of the department where you are having your test

What if I'm not sure about the need to disconnect?

You may call the **Product support services for your pump**. Support services are **available 24/7**. The contact number is written on the **back of your pump**.

Animas Ping: English 1-877-937-7867
French 1-866-406-4844



Omnipod: 1-855-763-4636



Medtronic Paradigm or Veo:
1-800-646-4633 or 1-800-minmed



Accucheck: 1-800-688-4578



For questions about how to disconnect and manage your diabetes for a test, call:

Diabetes Educator _____
613-738-8400 ext. _____

If you are unable to reach your educator, call the Endocrine and Diabetes Centre at 613-738-8333. After hours, if it is urgent, you can call 613-761-4221 and ask for the Endocrinologist on call.