

Radiology & Medical Procedure Quick

Reference Chart

When in doubt, disconnect and leave pump in locked dressing room.
Follow usual instructions for blousing to cover any missed basal insulin if needed when you reconnect.

Procedure	Patient is Pumper	Healthcare Professional/Technician is Pumper
Dental X-rays	<ol style="list-style-type: none"> No need to disconnect. Pump should remain covered by lead apron placed on the patient by the dentist or technician. 	<ol style="list-style-type: none"> No need to disconnect. Follow normal x-ray practices and proceed to the designated safe area when each x-ray is taken.
Ultra sound	<ol style="list-style-type: none"> No need to disconnect. Transducer should not be pointed directly at pump or site. If site is directly in range of transducer, site should be removed. 	<ol style="list-style-type: none"> No need to disconnect. Transducer should not be pointed directly at pump or site.
Mammogram and Bone Density test	<p>DO NOT expose pump to test.</p> <ol style="list-style-type: none"> Disconnect pump prior to test and leave pump in locked dressing room. Infusion set can remain in place during the test. 	<ol style="list-style-type: none"> No need to disconnect. Follow normal x-ray safety practices and proceed to the designated safe area while each test is being performed.
Body x-rays, Fluoroscopy (chest, neck, abdomen, torso, etc)	<p>DO NOT expose pump to x-ray beam.</p> <ol style="list-style-type: none"> Disconnect pump prior to test and leave pump in locked dressing room. Infusion set can remain in place during the x-ray. 	<ol style="list-style-type: none"> No need to disconnect. Follow normal x-ray safety practices and proceed to the designated safe area when each x-ray is taken.
Therapeutic Radiation/Oncology (cancer treatment by radiation)	<p>DO NOT expose pump to radiation treatment.</p> <ol style="list-style-type: none"> Disconnect pump prior to treatment and leave pump in locked dressing room. If the infusion set doesn't interfere with the area being treated, the set can remain in place during radiation. 	<ol style="list-style-type: none"> No need to disconnect. Follow normal radio-protection practices and proceed to the designated safe area while the patient is undergoing treatment.

Procedure	Patient is Pumper	Healthcare Professional/Technician is Pumper
CT Scans and MRIs (Magnetic Resonance Imaging)	DO NOT bring the pump into the exam room at any time.	<u>MRI</u> : DO NOT bring the pump into the same room as the MRI machine at any time.
	1. Disconnect pump and metal needle infusion set prior to exam and leave in locked dressing room.	If the pump is accidentally allowed in the exam room, disconnect the pump immediately and contact Animas Pump Support for instructions.
	2. Soft cannula infusion sets can remain in place.	<u>CT scan</u> : No need to disconnect.
Electro-cautery surgery	3. If the pump is accidentally allowed in the exam room, disconnect the pump immediately and contact Animas Pump Support for instructions.	Follow normal CT scan safety practices and proceed to the designated safe area when each scan is performed.
	Disconnect from pump during surgery.	No need to disconnect.
	1. Disconnect prior to surgery and leave in locked dressing room.	
Pacemaker AICD	2. If the infusion set doesn't interfere with the area being treated, the set can remain in place during surgery.	
	1. Disconnect pump and leave outside room during insertion of device and reprogramming.	Follow normal safety practices and proceed to the designated safe area while each x-ray is taken and during programming.
ECG	2. Infusion set can remain in place.	
Cardiac Catheter	No need to disconnect.	No need to disconnect.
Nuclear Stress Test	Disconnect pump and leave outside room during procedure.	Follow normal safety practices and proceed to the designated safe area while each x-ray is taken.
Colonoscopy	Disconnect pump and leave outside room during scan. Can remain connected during injection of radioisotope.	Follow normal safety practices and proceed to the designated safe area while each x-ray is taken.
Laser Surgery	No need to disconnect.	No need to disconnect.
General Anaesthesia	The pump and infusion set can be worn; however some lasers can create interference and cause the pump to alarm.	The pump and infusion set can be worn; however some lasers can create interference and cause the pump to alarm.
	Determination based on what medical equipment is being used in the procedure.	Determination based on what medical equipment is being used in the procedure.

Amusement Park and Aviation

“Free-Fall” Rides	Very powerful electromagnets are sometimes used on “free-fall” amusement park rides. Insulin pumps should be removed and not taken on these “free-fall” types or rides.
Roller-Coasters	High gravity forces can be experienced when riding on some roller-coasters. It is recommended that you disconnect (NOT suspend) the pump while on roller-coaster rides.
Aircraft without Cabin Pressurization	If flying in aircraft without cabin pressurization or flying in aircraft used for aerobatics or combat simulation pressurised or not), it is recommended that you disconnect (NOT suspend) the pump.
Airport Security	No need to disconnect unless going through a walk through xray. DO NOT expose to security checkpoint x-rays by putting through conveyor belt x-ray or walk through xray*

