

## 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	1. No need to disconnect.	1. No need to disconnect.
	2. Pump should remain covered by lead apron placed on the patient by the dentist or technician.	2. Follow normal x-ray practices and proceed to the designated safe area when each x-ray is taken.
Ultra sound	1. No need to disconnect.	1. No need to disconnect.
	2. Transducer should not be pointed directly a pump or site. If site is directly in range of transducer, site should be removed.	2. Transducer should not be pointed directly at pump or site.
Mammogram and Bone Density test	<b>DO NOT</b> expose pump to test.	1. No need to disconnect.
	1. Disconnect pump prior to test and leave pump in locked dressing room.	2. Follow normal x-ray safety practices and proceed to the designated safe area while each test is being performed.
	2. Infusion set can remain in place during the test.	
Body x-rays, Fluoroscopy (chest, neck, abdomen, torso, etc)	<b>DO NOT</b> expose pump to x-ray beam.	1. No need to disconnect.
	1. Disconnect pump prior to test and leave pump in locked dressing room.	2. Follow normal x-ray safety practices and proceed to the designated safe area when each x-ray is taken.
	2. Infusion set can remain in place during the x-ray.	
Therapeutic Radiation/Oncology (cancer treatment by radiation)	<b>DO NOT</b> expose pump to radiation treatment.	1. No need to disconnect.
	1. Disconnect pump prior to treatment and leave pump in locked dressing room.	2. Follow normal radio-protection practices and proceed to the designated sage area while the patient is undergoing treatment.
	2. If the infusion set doesn't interfere with the area being treated, the set can remain in place during radiation.	



Procedure	Patient is Pumper	Healthcare Professional/Technician is Pumper
<b>CT Scans and MRIs (Magnetic Resonance Imaging)</b>	DO NOT bring the pump into the exam room at any time.	<b>MRI:</b> 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.
	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.
<b>Electro-cautery surgery</b>	Disconnect from pump during surgery.	No need to disconnect.
	1. Disconnect prior to surgery and leave in locked dressing room.	
	2. If the infusion set doesn't interfere with the area being treated, the set can remain in place during surgery.	
<b>Pacemaker AICD</b>	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.
	2. Infusion set can remain in place.	
<b>ECG</b>	No need to disconnect.	No need to disconnect.
<b>Cardiac Catheter</b>	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.
<b>Nuclear Stress Test</b>	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.
<b>Colonoscopy</b>	No need to disconnect.	No need to disconnect.
<b>Laser Surgery</b>	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.
<b>General Anaesthesia</b>	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 PARKS AND AVIATION QUICK REFERENCE CHART

<b>“Free-Fall” Rides</b>	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.
<b>Roller-Coasters</b>	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.
<b>Aircraft without Cabin Pressurization</b>	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.
<b>Airport Security</b>	No need to disconnect. DO NOT expose to security checkpoint x-rays by putting through conveyor belt x-ray

