

Wearable Diabetes Devices for Imaging Exams

For patients with continuous glucose monitoring (CGM) and insulin pumps

You can still have an imaging exam if you have a wearable diabetes device (insulin pump or CGM device). Problems with these devices during exams are very rare, and the benefits of an exam are much greater. This handout explains what to do during different types of exams.



Scan with your phone camera for a digital copy of this handout.

For CT, X-ray, and Mammography Exams:

- If your wearable diabetes device is attached to a tube and **can** be moved safely:
 - Please move your device so it is not in the area where the x-ray will be focused. Your provider can help you with this. In most cases, your device does not need to be removed.
- If your device **cannot** be moved:
 - Can it be safely turned off during the imaging exam and for how long?
 - Please set a timer and remember to turn the device back on after the scan and check if it is working properly.
 - If needed, monitor your glucose level using the pinprick method for a few days, or until you change the device. This will help ensure that the readings are accurate.



CGM device

For Special CT Exams like CT Perfusion or CT Fluoroscopy:

- Be aware that x-rays may cause problems with your device. If you notice any symptoms or alarms, please tell your provider right away.

For MRI and Interventional Radiology Exams:

- Any wearable diabetes device with an unknown MRI safety status should be assumed to be MR Unsafe and removed before imaging.
- For fluoroscopy, and interventional radiology procedures, if the wearable diabetes device is NOT in the field of view, no action is needed. If the wearable diabetes device is in the field of view, the technologist will ask you if it can be removed. If you cannot remove it, you should monitor your glucose readings to ensure the device is working properly after the imaging study.

Questions?

Your questions are important. Call your doctor or healthcare provider if you have questions or concerns.

Who to call:

- **UWMC – Montlake Imaging Services:** 206.598.6200
- **UWMC – Northwest Imagine Services:** 206.668.1302
- **Harborview Imaging Services:** 206.744.3105

In summary, you can decide whether to remove your wearable diabetes device. It is important to note that pausing one of these devices may be a greater risk than wearing the device during imaging, which is very low risk.