

Insulin Pumps & CGM Devices



Contraindications for Insulin Pumps

All insulin pump companies recommend that insulin pumps are disconnected where there is a risk of exposure to x-rays, radiation or MRI. This is indicated for general x-rays, mammograms, DEXA, fluoroscopy, CT Scan and MRI. The insulin pump must be left outside the exam room where the test is performed.

If the insulin pump is disconnected for longer than one hour, the patient will need to contact the referring physician prior to the exam for instructions.

Contraindications for Continuous Glucose Monitoring (CGM) Devices

All continuous glucose monitoring device should not be exposed to x-rays or MRIs. The patient will remove the sensor/transmitter prior to any general x-ray, mammogram, DEXA, fluoroscopy, CT scan or MRI. All the components of the CGM could be damaged when exposed to any radiation and/or strong electromagnetic field.

Because of the Contraindications involving insulin pumps and Continuous Glucose Monitoring (CGM) device:

All Iowa Diagnostic Imaging and Procedure Center patients will be asked prior to any x-rays, mammogram, DEXA, Fluoroscopy, CT Scan or MRI if they are using an insulin pump or Continuous Glucose Monitoring (CGM) Device. If the patient has:

Insulin Pump: Have the patient disconnect and remove the pump and leave the pump outside the exam room. If the patient will be disconnected longer than one hour the patient will need to contact the referring physician for instructions prior to the exam.

Continuous Glucose Monitoring (CGM) Device: The patient will remove the sensor and transmitter prior to the x-ray exam or MRI and leave the device outside the exam room.