

A **PET** (Positron Emission Tomography) scan utilizes a particular substance called a radioactive tracer which, when it enters the body, becomes absorbed into the body's organs and tissues. The PET scanner highlights the tracer, revealing information as to how well the organs and tissue are functioning. This type of scan is used most commonly in the detection of cancer, heart conditions, brain abnormalities, and complications with the central nervous system.

A **PET/MRI** exam combines a **PET** scan with an **MRI** scan to create highly detailed images of the physical anatomy. The MRI displays the internal structures of the body while the PET highlights abnormalities alluding to disease. PET/MRI scans expose patients to approximately 50% less radiation than PET/CT scans. ([www.radiologyinfo.org](http://www.radiologyinfo.org)). Children can take a virtual tour of their PET/MRI study at [www.urmc.rochester.edu/childrens-hospital/tests-procedures](http://www.urmc.rochester.edu/childrens-hospital/tests-procedures).

**IMPORTANT:**

You may receive a call from us to review your medical history to determine that no issues exist preventing you from having a PET/MRI scan. If you need to cancel or reschedule your current appointment, please call (585)784-2985