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Unitypoint.org/cardiologyclinic



Myocardial Viability Imaging

What is Myocardial Viability Imaging?

A myocardial viability test is an imaging procedure that allows the doctor to visualize the blood supply to the heart muscle in patients with a history of an acute heart attack, chronic coronary artery disease, or poor “pumping” function of the heart.

The scan is made by injecting a small amount of radioactive tracer into a vein. The tracer circulates in the blood and accumulates in the heart muscle. The amount of tracer taken up by the heart muscle depends on the blood supply. The greater the blood supply, the greater the amount of the tracer in the heart muscle. With the help of a special camera and a computer, images of the heart can be constructed. These images show the distribution of blood to the heart muscle. The radiation exposure from the study is quite minimal and causes no risk to your health.

Special Note

If you are nursing or if you think you may be pregnant tell your doctor before the examination.

Specific Preparation:

- There are no restrictions for day 1 testing.
- There are no restrictions for day 2 testing.

What Happens During the Test?

Day 1 Images:

A small dose of radioactive tracer is injected into a vein in your arm. The tracer travels throughout the body and concentrates in the heart, behaving like the nutrients normally used in the heart. Imaging begins approximately 15 minutes after the injection and lasts approximately 20 minutes. Please allow 1 hour to complete the test.

Day 2 Images:

A second set of images of your heart will be collected upon return to the nuclear medicine department. Imaging lasts approximately 20 minutes. Please allow 1 hour to complete the test.

After the Test

A nuclear medicine doctor will interpret the results of the scan and send them to your doctor who will discuss the results with you.

Important Billing Information

If you are unable to keep your testing appointment, you must contact UnityPoint Health-Cardiology Clinic 24 hours prior to your test time. Scheduled testing appointments that are missed or cancelled without the 24 hour advance notice may be subject to charges for pharmaceuticals or supplies specifically ordered for your test.