

MPI Patient Preparation Summary

Note: to cancel or reschedule you must provide 48 hours notice to avoid a \$75 rebooking fee.

- 1. This test will take 4 to 5 hours**
- 2. No Caffeine** for 24hours
(this includes coffee, tea, pop, decaffeinated products, codeine and chocolate)
- 3. No** food or drink morning of test (just a sip of water to take your routine medications only)
- 4. STOP** Calcium Channel Blockers 24 hours BEFORE your test (please contact your pharmacist)

Myocardial Perfusion Cardiac Stress Testing Patient Information Sheet

We do not use a dye or contrast for this exam, therefore it is safe for patients with kidney issues or failure

A myocardial perfusion stress test using 99m-Tc Tetrofosmin is a safe, reliable and easy to perform test. It is performed under the direct supervision of the doctor.

It is a simple procedure to rule out if there is any decreased blood flow in the heart arteries while under stress because most of the time symptoms (angina) begin when the heart must do more work while in stress rather than resting. This test also helps in the diagnosis of various heart rhythm problems.

The Myocardial Stress test will take approximately 4-5 hours. This does not mean you will be exercising for the whole time. First you will have a resting heart exam. The technologist will place an IV in your arm and give you an injection of the radioactive tracer while you sit in a chair. You will then wait 30-60min in the waiting room until you are called for pictures. For the pictures you will have to hold still for 10min. You will then wait for your turn for the stress test.

Patients can be stressed in one of two ways while here, either on the treadmill or using a drug (pharmacological stress test) called dipyridamole.

If the treadmill is used ECG leads are attached to the chest, to monitor your heart while you exercise. The treadmill stress test begins with a warm-up stage and then the speed is gradually increased, as well as the incline. Your blood pressure, heart rate and heart rhythm will be monitored while you exercise. You will be exercised to a predetermined target heart rate. The 99mTc-Tetrofosmin (a radioactive tracer used for heart scanning) will be administered IV at peak exercise. The 99mTc-Tetrofosmin adds no additional risk to the exercise stress test and there are no side effects from its administration.

The drug or pharmacological myocardial perfusion test will be performed by infusing a vasodilator (dipyridamole) through your IV over 4 minutes and then either walking in place or using hand weights to increase the circulation of the dipyridamole. A small amount of 99mTc-Tetrofosmin (a radioactive tracer used for heart scanning) will be injected through your IV at the 7 min mark of the test. There are no side effects from the 99mTc-Tetrofosmin. If you experience any side effects from the dipyridamole, you will be given a medication to reverse the effects. ECG and vital signs will be taken throughout this part of the test.

After completing the stress test, you will wait in the waiting room for 30-60min until it is your turn for pictures. The pictures will take 10min.

You will receive a phone call at a later time so the doctor may discuss with you the test results. A detailed report will be typed and sent to your doctor as well.