

**Abbotsford Regional
Hospital**

**Persantine
Myocardial Perfusion Test**

A Patient Information Guide

Appointment

Date: _____

Time: _____

(Medical Imaging: 2nd Floor, Fraser Pavilion.)

**Please check in 15 min before your
appointment.**

**No Caffeine 24 hours before
your scheduled appointment.**

This includes coffee/tea, decaffeinated
coffee/tea, ice tea, hot chocolate,
anything containing chocolate, soft
drinks, energy drinks, chocolate milk,
green tea, Tylenol-3.

**PLEASE DO NOT WEAR ANY PERFUME
OR COLOGNE**

Is there any risk involved?

This is a frequently used procedure with a very high degree of safety, but some sources of risk are known such as:

- Previously known allergy to Persantine
- In some instances of severe coronary diseases, angina may occur and you may need to take Nitroglycerine.

If you experience chest discomfort or pressure or feel discomfort in the arms or jaw you should tell the physician present during your test.

- Periodically side effects from Persantine medication can occur and consist of slight dizziness or headache.
- If a severe reaction happens another drug called Aminophylline will be administered to relieve the side effects of the Persantine.

Abbotsford Regional Hospital
32900 Marshall Road
Abbotsford, BC
V2S 0C2

Nuclear Medicine Dept:
Telephone: 604 851 4868
Booking Fax: 604 851 4904

Persantine MPI Stress Test

This test will start at the Nuclear Medicine Department located in Medical Imaging on the Second Floor in the Fraser Pavilion.

The Persantine MPI (Myocardial Perfusion Imaging) test is to provide a method of checking for impaired blood flow to the heart muscle.

The procedure takes approximately 4-5 hours to complete.

Why Do I need one?

Your doctor wishes to check if your heart muscle receives adequate blood supply. Usually this can be done through standard exercise stress testing. However, when you have a physical limitation such as arthritis, asthma, poor physical condition, or a pacemaker this test allows us to make those determinations without you having to exercise on a treadmill.

This test is most often ordered for people who have experienced angina, have had an abnormality on an ECG or is in for a pre-operative assessment. A Nuclear Medicine stress test is commonly the first diagnostic imaging cardiac test performed to better show the extent of blood flow to the heart.

Is there any special preparation?

- Do not eat or drink anything from midnight the night before the test. **YOU MAY HAVE WATER ONLY.**
- Diabetic patients may drink juice or eat toast in the morning. Take diabetic medication as needed.
- **COPD and Asthmatic Patients** - please use your puffers in the morning as required before the test starts
- Do not take your morning pills if instructed by your ordering physician. If you are unsure, please contact the referring physician's office. Bring all medications with you to your appointment.
- **NO CAFFIENE** products i.e. coffee or tea, energy drinks, soft drinks or chocolate **24 hours** before your test.
- **Come to the Medical Imaging Dept. to register on the 2nd floor.**
- Wear comfortable clothing
- **Bring money for parking and food.**
- If you do not speak or understand English please bring an interpreter.
- If you need assistance please bring someone with you.

What happens at the test?

The Rest Image

- The Nuclear Medicine Technologist will start an intravenous in Nuclear Medicine, give you your first injection of a radioactive tracer and provide you with an explanation, time frame

and answer any questions you may have regarding the test.

- Next you will have a waiting period of up to 1-2 hours before your Resting Images which will take approximately 30 minutes.
- After the images you will be asked to go to the diagnostic cardiology department located on the 3rd floor for the Persantine Test.

The Persantine Test

- This portion of the test is performed by a Cardiology Technologist, a Cardiologist or Internist and a Nuclear Medicine Technologist.
- The Cardiology Technologist will place 10 electrodes to your chest and hook you up to an electrocardiograph machine.
- A medication called persantine, will be given over a four minute period through the intravenous.
- Two minutes after receiving the medication (persantine), you will receive a second injection of a radioactive tracer which will later allow us to see differences in blood flow in your heart.

At the End of Persantine Test:

- You will be asked to eat breakfast and take your medication.
- Report to Nuclear Medicine for your second set of images at a predetermined time given to you by the technologist.
- The technologist will remove your IV after the second set of pictures.