

## Dual Isotope Stress Test

In order for your doctor to accurately assess the blood flow to your heart, an exercise treadmill test has been ordered. A small I.V. will be inserted in your arm or hand and Thallium 201 will be injected. After a short period, you will lie down under a camera for the first set of images. Electrodes will be placed on your chest and a blood pressure cuff will be placed on your arm. Your heart rate and blood pressure will be frequently monitored while you walk on the treadmill. The speed and grade on the treadmill will increase every three minutes. When you have approximately one minute of exercise capacity left, tell the technologist so that the Technetium 99m agent can be injected into the I.V. Following a short cool down period, you will lie down under the camera for a second set of images. Total test time is 2 hours.

There are no known side effects from Thallium 201. Possible side effects from Technetium 99m agents include, but are not limited to, a transient metallic or bitter taste in the mouth, headache, flushing, and a non-itching rash. The amount of radiation you will be exposed to is comparable to that of a CAT (CT) scan. There exists the possibility that certain abnormalities or unusual responses may occur during the test. These include, but are not limited to, abnormal blood pressure, irregular heart beat, fainting, dizziness, respiratory difficulty, and, in rare instances, heart attack or death.

Every effort will be made to minimize serious complications by preliminary analysis and observation during the test. Emergency equipment and trained personnel are available to deal with unusual situations which may arise.

## Adenoscan/Persantine Dual Isotope Stress Test (Adenosine/Dipyridamole)

Due to factors rendering you unable to exercise on a treadmill for a sufficient period of time, your doctor has determined it necessary to administer an intravenous drug called Adenosine (Adenoscan) or Dipyridamole (Persantine). This drug simulates the dynamic stress test, allowing the doctor to evaluate the presence or extent of coronary artery disease. A small I.V. will be inserted in your arm or hand and Thallium 201 will be injected. After a short period, you will lie down under a camera for the first set of images. Electrodes will be placed on your chest and a blood pressure cuff will be placed on your arm. Adenosine or Dipyridamole infusion will begin. Your heart rate and blood pressure will be frequently monitored. After Dipyridamole is given/or during adenosine infusion, a Technetium 99m agent will be given. As there is a one hour wait before the second imaging session, you may eat at this time.

There are no known side effects from Thallium 201. Possible side effects from Technetium 99m agents include, but are not limited to, a transient metallic or bitter taste in the mouth, headache, flushing, and a non-itching rash. There exists the possibility of some side effects occurring during the absorption phase of adenosine/dipyridamole which could include chest pain, nausea, headache, flushing and vomiting. A drug called Aminophylline, which rapidly counteracts the effects of Adenosine/Dipyridamole can be given if symptoms need to be relieved. If Theophylline (Theodur) or Aminophylline are prescribed for you, please notify the Technologist or your Physician.

I acknowledge that I have been informed of the procedure and risks involved and that I have read the foregoing explanation. All the questions that I have concerning the stress test have been answered to my satisfaction.

Patient Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Witness: \_\_\_\_\_ Date: \_\_\_\_\_