

# Thoracic Cardiovascular Institute

---

## Information/Consent about the use of Intravenous Persantine, Adenosine or Dobutamine

IV Persantine (Dipyridamole), Adenosine or Dobutrex (Dobutamine) used in conjunction with nuclear imaging or echocardiogram imaging of the heart is an alternative to stress testing for the diagnosis of coronary artery disease. Generally, Persantine, Adenosine or Dobutrex is used in patients who are unable to exercise due to physical disabilities; or if they were unable to achieve a sufficient diagnostic stress level.

### Adenosine or Persantine (Dipyridamole)

You will receive a dosage of IV Adenosine or Persantine over a four minute period. You may be asked to walk at a very slow pace on the treadmill during the four minute injection. Two to four minutes after the Persantine is administered, you will receive a small aliquot of Cardiolite (a radioactive tracer) through the IV. During the Adenosine study the Cardiolite is given three minutes into the four minute injection period. Approximately two hours after the Cardiolite injection, you will be asked to lie under a special camera for images of your heart.

Persantine and Adenosine are a well tolerated medication but they have been associated with certain side effects. Most people experience a slight headache, flushed feeling and/or dizziness which is usually self-limiting and passes. Since you are being evaluated for the possibility of circulation problems to your heart, there is a chance that the Persantine or Adenosine may cause chest pain or angina. If this occurs, generally the chest discomfort is relieved by the administration of Aminophylline, which is readily available during the procedure for Persantine studies and for Adenosine the side effects are relieved within several seconds.

### Dobutrex (Dobutamine)

Although Dobutrex is not yet approved for the use in stress testing, it is approved by the F.D.A. for other uses and is used commonly to stimulate the heart. Dobutrex increases the strength and speed of the heart contraction. The most common side effects of Dobutrex include chest pain in 1 to 3 % of patients, high blood pressure in 7 to 8 %, and headache in 1 to 3 %. Irregular rapid heart rhythms may occur less often and may require treatment with other drugs. More severe arrhythmias occur very rarely. Patients with uncontrolled rapid heart rate or uncontrolled high blood pressure, significant heart pain at rest, or severe valvular disease should not have this test. Pregnant women should not have this test. As with other stress tests, a small tube will be placed in a vein in my arm, my electrocardiogram will be monitored and my blood pressure will be measured.

I have read the above and voluntarily consent to the use of IV Adenosine/Persantine (Dipyridamole) or Dobutrex (Dobutamine) as indicated. I also consent to and request emergency or outpatient care if found necessary by the treating physician. I understand that the practice of medicine is not an exact science and acknowledge that no promises or guarantees have been made to me as a result of care or treatment. I also understand that there are possible risks and/or complications involved with this procedure. Any questions about the above information are welcome. If you have any doubts or questions, please ask for further explanation.

Please Sign Name: \_\_\_\_\_