



Name: \_\_\_\_\_

## **RESTING GATED POOL STUDY**

**The following information is a brief description about Resting Gated Pool Study. If you have any questions after reading this information, please speak with your nurse.**

### **WHAT IS A GATED POOL STUDY?**

- ❖ This test is done to determine the average amount of blood pumped out of the heart with each heartbeat, in order to evaluate the function of the heart muscle.

### **WHY IS IT DONE?**

- ❖ It is done to determine how well the heart contracts or pumps.

### **WHERE IS THE PROCEDURE DONE?**

- ❖ Nuclear Medicine Department, 2nd Floor, Tisch Hospital.

### **HOW LONG DOES IT TAKE?**

- ❖ The test takes about 1 1/2 hours.

### **WHAT PREPARATION IS NEEDED?**

- ❖ There is no special preparation needed.
- ❖ This test cannot be done if you have an irregular heartbeat. If you have ever been treated for an irregular heartbeat, let your doctor and nurse know.
- ❖ You need to wear a hospital gown for this test.
- ❖ Escort staff will take you to Nuclear Medicine Department in a wheelchair or on a stretcher.



**WHAT HAPPENS DURING THE PROCEDURE?**

- ❖ The staff will check your pulse to make sure it is regular.
- ❖ You will receive two intravenous (IV) injections. The first injection prepares the red blood cells so that the radioactive material (Tc-99m pertechnetate) adheres or sticks to them. The second injection, the radioactive material, is given about 20 minutes later. There is usually no adverse reaction to these injections and there is no harm from the radioactive injection.
- ❖ EKG leads are then placed on your chest. This allows the gamma camera to track the EKG signal and time the taking of images.
- ❖ You will lie on a table while the gamma camera takes images. You need to be still for this part of the test which takes approximately one (1) hour.
- ❖ Images, which show the blood entering and leaving the heart, are taken from three angles.
- ❖ From these images, measurements can be made to determine how much blood is pumped with each beat. In addition, the movement of the walls of the heart can be evaluated.
- ❖ Afterward you will be returned to your room.

**WHAT HAPPENS AFTER THE PROCEDURE?**

- ❖ There are no restriction on eating or activity after the test.
- ❖ General hygiene precautions (wearing gloves and washing hands) should be maintained if anyone other than the patient is handling the patient's urine or feces.

**WHEN WILL I GET THE RESULTS?**

- ❖ The scan results will be reviewed by a radiologist.
- ❖ Your doctor will discuss results with you. Results are usually available in a day.



***PATIENT & FAMILY EDUCATION / NYU Medical Center***

**Resting Gated Pool Study**

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**SPECIAL INSTRUCTIONS OR QUESTIONS**

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