



## *MUGA - Gated Blood Pool Study*

Please contact one of the technologists if you have any questions concerning the information seen on this page.

### **Study Overview**

**Prep:**

- None

**Exam Time:**

- ~1 hour

**Overview:**

- Patient will have his or her red blood cells labeled with one of two methods. Images will then be taken over a 1/2 hour period.

### **Contraindications**

- Pregnancy
- Breastfeeding
- Hypersensitivity to any material used which includes pyrophosphate or phosphates
- Known severe arrhythmia

### **Indications**

- Evaluate ventricular regional wall motion of heart
- Monitor cardiotoxicity of doxorubicin
- Differentiate pulmonary and cardiac causes of dyspnea
- Quantitative ventricular ejection fractions

### **Billing/Coding**

Nuclear Sonics Billing #: 77

CPT Code: 78472

CPT Name: Cardiac blood pool imaging, gated equilibrium; planar single study at rest...

Radiopharmaceutical Used: Tc-99m Labeled Red Blood Cells

HCPCS Code: A9560

NDC #: if needed, please contact NSA technologist

Billing for Rp: Per study use, up to 30 millicuries

Interventional Drug: None

### **Pregnancy/Breastfeeding Concerns**

It is at the discretion of the ordering physician, the radiologist and the patient, whether or not a pregnant patient should have any nuclear medicine procedures performed until after the pregnancy has ended. It is the recommendation of Nuclear Sonics that patients who are breastfeeding should discontinue for 10 half-lives of the radiopharmaceutical. This is typically a Technetium product, which has a radioactive half-life of 6 hours, so the typical discontinuation should occur for 60 hours.

Disclaimer: These are the recommendations of Nuclear Sonics. At times, the ordering provider may choose a different prep, use the study for something other than what is indicated or order the study even if the study is contraindicated. The prospective Radiology Department and/or Nuclear Sonics will ascertain whether or not the ordering provider wishes to go against the recommendations.