

Ejection Fraction/Wall Motion Analysis (MUGA)

Ejection Fraction/Wall Motion Analysis

Your doctor wants you to have an ejection fraction/wall motion analysis. This lets your doctor see the wall motion and capacity of your heart's pumping chamber. For this test, a small amount of a safe radioactive material will be injected into your arm. (The radioactivity is less than an average chest X-ray.)

The radioactive material will spread throughout your heart's left ventricle and allow images to be taken. Using a computer, your doctor can determine the percentage of blood your heart is pumping with each beat.

The exam takes about 45 minutes.

Before the Exam

- You have no restrictions. You may eat and drink as normal and take your medicines.

During the Exam

- The nuclear medicine technologist doing your exam will review your medical history.
- The nuclear medicine technologist will explain the exam to you.
- The nuclear medicine technologist will inject a material into a vein in your arm that will stick to your blood cells.
- The nuclear medicine technologist will place small electrocardiogram (EKG) patches to your chest. This allows the images to be taken according to your heart rhythm.

Your Test(s)

Your doctor has ordered the following test(s).

Test(s): _____

Date: _____

Time: _____

Location: _____

Please arrive 15 minutes before your scheduled appointment to register.

- A small amount of radioactive material will be injected into your arm. This material will stick to the "tagged" blood cells.
- A camera is placed close to the heart. The nuclear medicine technologist will take images of your heart for about 10 minutes.
- The EKG patches will be removed and you may leave.

After the Exam

There are no special instructions and no side effects. A radiologist will read the data and camera images. They will send the results to your doctor. Your doctor's office will contact you with the results of the test.