



Cardiac Pyrophosphate (PYP) Scan

How to prepare and what to expect

What is a cardiac PYP scan?

Cardiac means related to the heart. PYP stands for pyrophosphate. A cardiac PYP scan uses a radioactive form of PYP called Tc99m-PYP.

Why is the scan done?

This scan can be used to find out if you have a rare disease called cardiac amyloidosis (am-uh-loi-DO-sis). It can also tell what form of amyloidosis you have. There are 2 kinds:

1. Amyloid light chain (AL)
2. Transthyretin cardiac amyloidosis (ATTR)

What is cardiac amyloidosis?

Cardiac amyloidosis occurs when a protein called amyloid builds up in your heart. Amyloid is produced in your bone marrow. It can be deposited in any tissue or organ. If you have this disease, it can cause heart failure.

How do I prepare?

There are no restrictions. Feel free to eat/drink, and take any routine medications on the date of your exam.

How is the scan done?

When you arrive for your exam, a nuclear technologist will first inject you with the radioactive pyrophosphate (Tc99m-PYP). You will not feel anything from the injection. You'll then leave, and return back to the facility 3 hours later for imaging which will take 20 minutes.