



### If I decide to participate, what are my next steps?

Similar to previous visits, all imaging studies will be discussed with you over the phone or in person. You may be asked questions to help us determine if you are eligible for this heart imaging research study. If you are eligible, we will schedule you for a PYP scan imaging appointment.

An ARIC staff member will accompany you for the duration of the appointment. The visit for the PYP scan will take about 2.5 to 3 hours.

This imaging scan is separate from the regular ARIC clinic visits and we still hope you will continue to participate in regular clinic visits.

### Is ARIC confidential?

**Yes.** All the information you give us is confidential and will only be used for research purposes. Information collected about you will not be associated with your name.

### Please read about the **ARIC** PYP Heart Imaging Study!

Thank you for participating in ARIC and the ARIC-PYP (pyrophosphate) Ancillary Study!

**ARIC-PYP aims to examine early alterations in heart structure, function and biomarkers associated with transthyretin cardiac amyloidosis, an important cause of heart failure.**

As part of ARIC-PYP, you may have the opportunity to take part in a special heart imaging research study.

This study will help us understand what changes happen in the hearts of people with transthyretin cardiac amyloidosis and how these changes are associated with heart failure. To do this, we will be conducting a heart PYP imaging scan.

**We are happy to answer any questions!  
For more information call:  
(301) 791 - 1847**

ARIC-PYP and this imaging study  
are sponsored by  
the National Institutes of Health (NIH).

# ARIC™

## PYP Ancillary Study Heart Imaging



# ARIC™

**Atherosclerosis Risk in Communities Study**

IRB00311999

Principal Investigator: Josef Coresh  
Johns Hopkins University  
1100 Dual Highway, Suite A  
Hagerstown, MD 21740

## Purpose

The purpose of the ARIC-PYP study is to examine early alterations in heart structure, function and biomarkers associated with transthyretin cardiac amyloidosis, an important cause of heart failure.

## How will we accomplish this?

Participants will be asked to complete a PYP scan.

In a PYP scan, a small amount of a radioactive tracer (technetium-99m-pyrophosphate, PYP) will be injected into a vein in your arm.

The scan is performed on a SPECT machine and will take approximately 30 minutes, though your total time at the imaging facility may be 2.5 to 3 hours.

## What is a PYP scan?

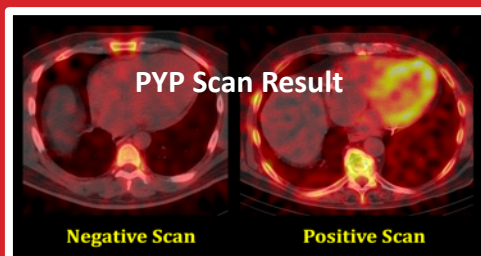
A PYP scan is a photo of your heart using a special camera. You will need to lie flat within a tube for the photos to be taken. The process takes about 30 minutes.



SPECT Machine

## How is my PYP scan used?

A PYP scan is an image of the heart that is obtained by injecting a small amount of FDA-approved radioactive tracer into your arm. A PYP scan is used in the diagnosis of transthyretin cardiac amyloidosis.



## Why participate in the PYP Heart Imaging Study?

Information learned from this heart imaging study will help us better understand how to diagnose transthyretin cardiac amyloidosis early.

By combining this data with information we've collected from you over the past 30 years, this study might allow researchers to create new ways to screen for this disease and allow early treatment.

## Who is eligible to participate?

Approximately 900 people across all four ARIC locations will participate in the heart imaging study.

This will include people with heart failure and other abnormal heart findings. Some people are unable to get a PYP scan.

The ARIC staff will work with you to determine if you are eligible to take part in these imaging studies.