

# What results will be returned to me after my Exam 7 visit?

age?

Spirometry takes about 20 minutes

We will send you results letters for some of the procedures you complete during the MESA Exam 7 clinic visit and wearable health monitors in your home. The table below describes the types of results that are available for each procedure that you complete, and approximately how long it will take to receive your results. Each set of results is analyzed in different ways, so the timeframe for receiving those results will vary.

What does this procedure allow MESA investigators to study?  How much time will it take?	What results will I receive if I participate?	
Blood and Urine Collection Sample collection takes about 15 minutes.		Results from your blood and urine will include lipids, fasting glucose, and eGFR (kidney function).  Blood and lab results are returned approximately 4-6 weeks after your MESA clinic visit.
Cognitive Function Assessment  How does vascular function influence memory & brain health?  Assessment takes about 1 hour.		Results from the cognitive function assessment provide information about your memory and other essential cognitive functions.  Cognitive function results are returned approximately 6-9 months after the MESA clinic visit.
Spirometry How does lung function change as we		Results from the spirometry procedure will summarize your lung function.  Spirometry results are returned approximately 8 weeks after the MESA

clinic exam.

# What does this procedure allow MESA investigators to study?

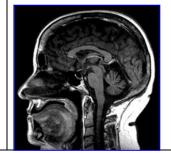
## What results will I receive if I participate?

How much time will it take?

## **Brain MRI Imaging**

How does vascular function influence memory & brain health?

Imaging takes about 1 hour.



Results from the brain MRI will include an image of your brain *or* a report of abnormalities observed from your brain images needing follow-up with your doctor.

Brain MRI results are returned approximately 6 weeks after the imaging procedure.

### Wearable Devices

## **Continuous Glucose Monitor**

How does blood sugar influence brain health?

The monitor is worn on your arm for 7-14 days.



You will receive a report tracking your blood sugar over time.

Glucose results are returned approximately 4 weeks after returning the monitor to the MESA clinic.

## **Hip Activity Monitor**

How do movement patterns influence brain health?

The monitor is worn on your hip and a daily diary is completed for 8 days.



Results from the hip activity monitor will summarize your physical activity habits while you are awake during the day.

Hip monitor results are returned approximately 4 weeks after returning the monitor to the MESA clinic.



# What does this procedure allow MESA investigators to study?

# What results will I receive if I participate?

#### How much time will it take?

# **Wrist Sleep Monitor**

How do sleep patterns (as measured by small wrist movements) influence heart and brain health and well-being?

The monitor is worn on your wrist and a daily diary is completed for 8 days.



Results from the wrist sleep monitor will include a report describing your sleep patterns, including the number of hours you slept and how much time you spent awake.

Wrist sleep monitor results are returned approximately 4-6 weeks after returning the monitor to the MESA clinic.

### **Heart Patch Monitor**

How do reactions to stress influence brain health?

The monitor is worn on your chest and a daily phone survey is completed for 8 days.



Results from the heart rhythm monitor (Cardea SOLO Patch) will describe abnormalities identified in your heart rhythm.

Heart patch monitor results are returned approximately 4-6 weeks after returning the monitor to the MESA clinic.



# What does this procedure allow MESA investigators to study?

# What results will I receive if I participate?

#### How much time will it take?

### Wearable Devices (single day and night)

## **Overnight Sleep Study**

How does sleep quality and breathing during sleep influence your blood pressure and heart and brain health?

The sleep monitors are worn for one night in your home.



Results for the overnight sleep study will include a polysomnography report that describes

- breathing patterns,
- sleep apnea measures
- time spent dreaming or in a deep sleep
- leg movements while sleeping

Overnight sleep study results are returned approximately 4-6 weeks after the in-home sleep study.

## **24-hour Blood Pressure Monitor**

How does blood pressure change over a 24-hour period?

The monitor is worn on your arm for 24 hours.



Results for the 24-hour blood pressure monitor will include your average night, day, and 24-hour systolic and diastolic blood pressures.

Blood pressure monitor results are returned approximately 4-6 weeks after returning the monitor to the MESA clinic.

We would like to thank you again for your participation in MESA, and for your understanding and patience as these results are collected and reported back to you.

