

About MarkVCID

Age-related problems in thinking and memory represent some of the greatest risks to public health in the US and globally. Diseases that affect small blood vessels in the brain have been shown to be major contributors to these changes.

However, research and patient care can be held back by limited “biomarkers” that identify who should be treated. The MarkVCID team is dedicated to finding biomarkers involved in age-related thinking and memory problems.

How can I learn more?

If you are between 60-90 years old, a healthy volunteer or experiencing memory problems, and able to get an MRI scan, you may be eligible. If you would like to learn more, contact us!

Site Contact: Laurie Clewett

Phone Number: (859) 218-8097



What are biomarkers?

Alzheimer's disease and other dementias leave signatures on brain scans or in the blood called biomarkers. The MarkVCID study will measure a panel of candidate biomarkers in over 1800 participants and watch them closely to see what they tell us about changes in brain function and risk of memory loss.

You can also learn more by visiting our website:

<http://markvcid.partners.org>



MarkVCID

Biomarkers for Vascular Contributions to Cognitive Impairment and Dementia





MRI Scan

An Magnetic Resonance Imaging (MRI) scan is a safe, non-invasive, and painless way to take pictures of the brain. The MRI machine uses a strong magnet to get information about the brain, and a computer helps make detailed pictures.

During the MRI, you will be asked to do a breathing task for about 10 minutes. You will use a mouthpiece to breathe either room air or an air mixture with a small amount of added carbon dioxide for about 50 seconds at a time. We will measure your vital signs (heart rate, oxygen in the lungs) as you breathe out.

Risks and Benefits

There are no major risks from taking part. There is a small risk of claustrophobia (fear of small spaces) during the MRI scans. You may have a bruise (black-and-blue mark) or pain where blood is drawn. Study staff will monitor your comfort and safety, and the activities can be stopped at any time.

While there are no direct benefits, your participation helps us better understand age-related changes in memory. We hope you take pride in knowing your efforts help improve the health of future generations.

Blood Draw

You will be asked to donate about one and a half tablespoons of blood. We will try to collect it in a routine clinical draw to avoid extra needle sticks, if possible.

Memory and Thinking Exercises

Memory and thinking exercises measure your ability to reason, concentrate, solve problems, and remember. This will take up to 90 minutes to complete.

What will happen during the MarkVCID study?

If you agree to participate, you will be asked to come in person 4 times about 1 year apart to:

- Get an MRI scan
- Have blood drawn
- Do memory and thinking exercises

Visit 1

Baseline

- MRI scan
- Blood draw
- Memory & thinking exercises

Visit 2

Year 1

- MRI scan
- Blood draw
- Memory & thinking exercises

Visit 3

Year 2

- MRI scan
- Blood draw
- Memory & thinking exercises

Visit 4

Year 3

- MRI scan
- Blood draw
- Memory & thinking exercises

End of Study

Study Timeline

