

Brain Imaging

If you meet the criteria to participate in the treatment studies, you will be given the option to participate in our brain imaging study. This study examines how the brain processes language in individuals with and without aphasia. We are also interested in documents neural responses to our newly developed treatment protocols. Our brain imaging research uses magnetoencephalography (MEG) and Magnetic Resonance Imaging (MRI). Both of these techniques are non-invasive with no known risks. Participation in brain imaging is voluntary and is not a requirement to participate in our treatment studies.

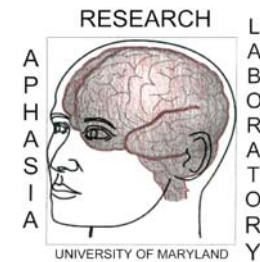


Sensors inside the MEG scanner record magnetic brains waves.

Thank you for your
interest in our studies!
Please contact us if you
have any questions or
comments.

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**Aphasia Research
Center**

**Read more about our
research...**

Appointment Details:

Name:

Date:

Time:

Location:



What is aphasia?

Aphasia is a condition in which individuals lose some or all of their ability to articulate ideas or comprehend spoken or written language, due to brain injury or disease.

What are we studying?

At the Aphasia Research Center, we study language production and comprehension of individuals with aphasia using different methods, such as language analysis, reaction time measures, grammaticality judgments, and treatment efficacy as well as brain imaging. In particular, we are interested in the following issues:

Why do some individuals with aphasia experience difficulty in producing sentences, particularly, verbs in sentences?

What types of treatments are most efficacious in rehabilitating individuals with difficulties in sentence production?
What neural mechanisms are involved in the processing and production of verbs and sentences?

What about treatment?

We use findings from recent research to design specific treatment protocols for individuals with aphasia, especially for those who have difficulties with sentence production. We are now recruiting participants to test the effectiveness of these newly developed treatment techniques. In other words, some of our studies do involve free treatment for individuals with aphasia, typically intense individual treatment 4-5 times/week for 2-4 weeks.

Are you eligible to participate?

If you or a family member has suffered a stroke or brain injury and experience difficulty speaking in sentences, you may be eligible to participate in our research studies. Please contact us with questions or to schedule a free evaluation.

How will the studies take place?

1. Once you decide to participate, you will receive an initial evaluation, scheduled

at your convenience. A detailed report of findings will be provided.

2. If you meet eligibility criteria for the studies, you will be scheduled for 2-3 additional testing sessions.
3. You may be enrolled in our treatment studies depending on symptoms and test findings.
4. The treatment studies involve intense individual treatment 4-5 times per week for 2-4 weeks. Treatment sessions scheduled during times that are convenient for you.

Are there any risks?

There are no known risks in participating in our research. Our treatment studies are designed to improve speech production. You may withdraw from the studies at anytime. There will be no penalty for withdrawing.

Are there any benefits?

Individuals will be paid \$20/session during all testing sessions to determine eligibility for treatment. Therapy is provided free of charge.