U.S Department of Health and Human Services (HHS)

Alzheimers.gov

Menu

Español

Search

Search

Participate in Research

Ho... / Transcranial Magnetic Stimulation for Mild and Moderate Al...

← Back to search results

Transcranial Magnetic Stimulation for Mild and Moderate Alzheimer's Disease

Start: March 2, 2020

End: March 2024

Enrollment: 40

Privacy - Terms

What Is This Study About?

This study will test the effects of repetitive transcranial magnetic stimulation (rTMS), a noninvasive brain stimulation therapy, on cognitively healthy older adults and in people with amnestic mild cognitive impairment due to Alzheimer's disease. The intervention is designed to improve cognition, including memory, in older adults. All study participants will receive the rTMS intervention followed by a functional connectivity MRI to determine any changes in the brain. Participants will also undergo neuropsychological and memory testing to determine improvements in cognition.

Do I Qualify To Participate in This Study?

Minimum Age: 60 Years

Maximum Age: 85 Years

Must have:

- Fluent English speaker
- Willing and able to consent to the study directions and undergo imaging and neuropsychological testing at the specified time points
- Patients with very mild or mild cognitive impairment (CDR 0.5 or CDR 1)
- Participants with amnestic mild cognitive impairment must be able to bring a study partner to all visits

Must NOT have:

- History of head trauma involving a loss of consciousness or alteration in consciousness
- Physician diagnosis of another major neurologic or psychiatric condition
- Known presence of a structural brain lesion (e.g., tumor, cortical infarct)
- Any condition that makes imaging by MRI unsafe, such as the presence of pacemakers, aneurysm clips, artificial heart valves, ear implants, metal fragments, or foreign objects in the eyes, skin, or body

- Longstanding history (i.e., longer than 10 years) of alcohol or substance abuse
- Any significant illness or unstable medical condition that could make it difficult to comply with the study directions
- Unable or unwilling to return for follow-up, undergo neuropsychological testing, transcranial magnetic stimulation, and MRI imaging

If I Qualify, Who Do I Contact?

Contact study personnel listed either under the general study contact or the location nearest you.

Study Contact
Jessica A Collins, PhD
617-726-6217
jcollins21@mgh.harvard.edu

Need Help?

Contact NIA's Alzheimer's and related Dementias Education and Referral (ADEAR) Center at 800-438-4380 or email ADEAR.

Where Is This Study Located?

Massachusetts

Massachuetts General Hospital
Charlestown, MA 02129
Recruiting
Courtney Sullivan
617-643-5568
csullivan65@partners.org

Who Sponsors This Study?

Lead: Massachusetts General Hospital

Source: ClinicalTrials.gov ID: NCT04294888

Follow Us

A federal government website managed by the National Institute on Aging, National Institutes of Health, U.S. Department of Health and Human Services.