

Soci t  Alzheimer Society

Title of Study: *Investigating the effect of repetitive Transcranial Magnetic Stimulation (rTMS) as a treatment for Alzheimer's Disease*

Location: Canada-Wide

Study Description:

The study investigates the effectiveness of Repetitive Transcranial Magnetic Stimulation (rTMS) for Alzheimer's disease treatment to improve memory and/or cognition. rTMS is a non-invasive procedure that uses short magnetic pulses from a coil placed on the scalp without any medications. Basically, we use magnetic pulses to cause neurons in the brain to activate, and hopefully this will train the neurons to perform better in the future.

Volunteers will be randomly assigned to one of these two groups: either 10 treatments performed over 2 weeks or 20 treatments performed over 4 weeks. Treatments are done from Monday to Friday. Additionally, there are 6 assessments - before treatment, after 2 weeks of treatment, after 4 weeks of treatment, and then 3 additional assessments every 6 weeks. The entire participation takes 6 months.

Also, to make sure that we don't just find a placebo effect, we randomly assign half of our volunteers to receive "control" treatment, which would be fake treatment with no real effects. We would not be able to tell you until after the study finished which group you were in. However, we promise to give the real treatment to those in placebo group after 6 months of their first participation.

Eligibility: Who Can Participate?

- Diagnosed with probable mild or moderate Alzheimer's disease
- Participants must be taking a stable dose or no dose of an acetylcholinesterase inhibitor for at least 3 months prior to study entry with no plans to change medication for the duration of the study

Recruitment Start Date: November 1, 2016

Recruitment End Date: November 1, 2020

Contact Information:

Multicentre study in Winnipeg, MB and Montreal QC.
Please list individual contact information for each site.

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