

Interested to participate in a new investigational Alzheimer's treatment?



About the Study

We are conducting an investigation of a technique called Repetitive Transcranial Magnetic Stimulation (rTMS) as a possible treatment for Alzheimer's disease.

We are looking for volunteers with a diagnosis of Alzheimer's disease who would be willing to receive rTMS treatment; we will also to run a few assessments to determine the effectiveness of the treatment



What will you do?

Volunteers will receive either two or four weeks of treatment (5 sessions per week). The treatment will be either real or sham, which will be assigned randomly. However, all who receive sham treatment, will be offered the real treatment after the study period.

Treatment sessions take about 20 minutes, and involve sitting in a chair while magnetic pulses are applied to the brain.

In addition, we would also need you to attend monthly assessments for a period of six months after treatment. Assessments involve questionnaires and computer tasks.



What is rTMS?

Repetitive Transcranial Magnetic Stimulation (rTMS) is a painless, harmless and non-invasive technique that uses magnetic induction to cause brain cells to fire. By applying rTMS at certain frequencies, it is possible to change the sensitivity of certain parts of the brain and hopefully this will cognitive function of the brain. This technique does not involve any medication or surgery.

How will you help?

You will help determine whether rTMS has the potential to improve cognitive functions that have been lost due to Alzheimer's, and help developing a potential treatment plan for Alzheimer's patients that could yield lasting cognitive improvements.

Where?

Room 450 Princess Elizabeth Building,
Riverview Health Centre,
1 Morley Ave, Winnipeg, MB

We can also help those who don't have a vehicle or live far away from our facility by reimbursing transportation and/or accommodation costs.

Contact us:

If you are interested in being a volunteer and/or help recruiting, and/or need more information please contact:

Dr. Zahra Moussavi
Phone: (204)474-7023
Email: Zahra.Moussavi@umanitoba.ca



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Faculty of Engineering, Medicine and Science
Graduate Program in Biomedical Engineering

This study has been approved by the
Biomedical Research Ethics Board of the
University of Manitoba