

Participate in Research

The Effect of Transcranial Direct Current Stimulation on Cognitive Performance in Healthy Adults



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CONTACT INFORMATION:

TO ASK QUESTIONS OR TO SIGN UP, CONTACT

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Bloorview
RESEARCH INSTITUTE

Canada's Only Hospital-Based
Childhood Disability Research Institute

Holland Bloorview
Kids Rehabilitation Hospital

Are you a healthy adult between the ages of 18-35?
Participate in a research study about the effects of transcranial direct current stimulation on memory:

What is this study about:

Transcranial direct current stimulation (tDCS) has been shown to impact function on a range of thinking and learning tasks. We want to learn more about how tDCS can influence performance on these tasks.

Who can participate?

We are looking for adults ages 18-35 who

- Are right handed,
- Have not received a diagnosis of concussion or mild brain injury within the past year
- Have not received a diagnosis of a learning disability, attention deficit/hyperactivity disorder, developmental disorder, moderate or severe brain injury, psychiatric condition, and/or any neurological condition, and
- Meet certain safety criteria
- A total of 30 adults will be able to participate

What's involved?

- Two visits (2-3 hours at session 1, 1-2 hours at session two) separated by one week to Holland Bloorview for tDCS and doing a computer task
- Sharing some medical information

Potential Benefits?

- It is possible tDCS may help with performance on thinking and learning tasks.
- We may learn more about 1) the impact of tDCS on thinking and learning tasks, and 2) the utility of tDCS for clinical populations who experience difficulty with these tasks.

Potential Risks?

- Some people find the tDCS sensation uncomfortable, or develop a headache
- Possible fatigue when completing questionnaires

Participants will be able to receive a gift card at each visit (\$40 at session one, \$20 at session two) as a thank you, as well as reimbursement for all travel expenses.