

# Effect of brain stimulation on memory



BRAI3N



Adults diagnosed with mild cognitive impairment with memory problems or early Alzheimer's disease are invited to participate in a research project investigating the safety and effect of a brain stimulation technique for improving memory and function.

We require volunteers to be available to attend the following study phases at the Dunedin hospital.

Baseline tests: Session 1 (~ 2 hours) - Record brain activity using an electrode cap [electroencephalography (EEG)], carry out cognitive/ memory tests and complete questionnaires.

Treatment phase: consisting of external brain stimulation. Participants will be randomised to receive either 10 weeks of brain stimulation, OR 5 weeks of brain stimulation and 5 weeks of no stimulation.

Duration: Approximately 1 hour session, four times a week, for a total of 10 weeks.

Post-treatment tests: Repeat baseline tests, at 5 weeks and 10 weeks of treatment.

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Participants will receive vouchers as a reimbursement for their travel/ parking expenses.

This project has been reviewed and approved by the Southern Health and Disability Ethics Committee (Ref: 20/STH/43).

For more information, please contact:

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