

INVESTIGATING A NOVEL TREATMENT FOR ALZHEIMER'S DISEASE

PURPOSE OF THIS RESEARCH

The Epworth Centre for Innovation in Mental Health (ECIMH) is investigating a new treatment for people with Alzheimer's disease.

Our research is examining whether transcranial magnetic stimulation (TMS) can improve the cognitive symptoms of mild to moderate Alzheimer's disease such as memory and thinking difficulties.

WHAT IS TRANSCRANIAL MAGNETIC STIMULATION?

TMS is a form of non-invasive brain stimulation which uses a magnetic pulse to stimulate brain cells. A coil is placed on your head whilst you are seated comfortably in a chair, with the magnetic field increasing activity in the cells underneath the coil during active TMS.

TMS has been used for over 20 years in the treatment of depression. It has been shown to be a safe and effective treatment for that condition. We are now testing its use in the treatment of Alzheimer's disease.

You will be randomly selected to receive either active or placebo (inactive) TMS. If you were randomised to the placebo group you will be offered active stimulation at the end of the follow-up period.

WHO IS ELIGIBLE TO PARTICIPATE?

- **Men and women, aged 50 – 95 years**
- **With a diagnosis of mild to moderate Alzheimer's disease**
- **Interested in participating**

ABOUT US

We use advanced neuroscience technology to investigate brain function and develop innovative treatments across a range of psychiatric, neurological and neurodegenerative disorders.

ABOUT THE PRINCIPAL INVESTIGATORS

A/Prof Kate Hoy is a Clinical Neuropsychologist and heads the Interventional Neuropsychology Research Program and is Deputy Director of ECIMH. **E: kate.hoy@monash.edu**

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The research outlined in this brochure has been approved by the ethics committee of The Alfred Hospital.