

Seeking Cervical Dystonia Patients for Research Using MRI and Brain Stimulation



Deakin University (Burwood) researchers are looking for people with a diagnosis of cervical dystonia for our study investigating whether brain stimulation can reduce cervical dystonia symptoms.

Transcranial Magnetic Simulation (TMS) is a non-invasive brain stimulation technique that briefly activates targeted brain areas through the scalp. TMS has been used for 20 years in neurology and psychiatry, and is an approved treatment for major depressive disorder. Safety guidelines and COVID-19 protocols will be followed closely.

- The study involves 2 – 4 MRI visits, and 20 TMS sessions
- Participants will receive 2 weeks of daily TMS (excl. weekends)
- After a ~2-3 weeks break, participants will return for a second block of 2 weeks of daily TMS
 - Most TMS sessions will last approximately 30 minutes
 - The first, sixth and last session in each block will last approximately 3 hours
 - Participants will receive a \$60 Coles voucher for each block of TMS, and parking fees for all sessions (including MRI) will be compensated

Participants must be:

- 18-85 years of age
- No major medical, neurological, or psychiatric conditions (other than cervical dystonia)
 - No cardiac pacemaker or intracranial metal implants

To learn more about the study and find out if you are eligible, please contact Jordan Morrison-Ham on 0412401408, or jmorrison@deakin.edu.au

This study has received Deakin University ethics approval (reference number: **2021-136**).