

Non-invasive cerebellar stimulation for focal dystonia

ACTRN12612000339853

Status	RECRUITING
Sponsor	Lynley Bradnam
Enrollment	16 participants

Plain Language Summary

This study is testing whether non-invasive brain stimulation of the cerebellum (the part of the brain at the back of the head that controls movement) can reduce symptoms of focal dystonia. Focal dystonia is a neurological movement disorder that causes uncontrollable muscle contractions in a specific part of the body, such as the hand or neck. The stimulation techniques used (TMS and tDCS) are painless and involve no surgery. Participants will attend several sessions to receive brain stimulation and have their movement tested before and after.

You may be eligible if:

- You are 18 years of age or older
- You have been diagnosed with primary focal dystonia by a neurologist
- You have no contraindications to TMS or tDCS (e.g., no head injury, epilepsy, or implanted devices)
- You do not have any other neurological or musculoskeletal disorder affecting the affected area

You may NOT be eligible if:

- You have contraindications to TMS or tDCS (head injury, epilepsy, pacemaker or other implanted devices)
- You have another musculoskeletal or neurological condition affecting the dystonic area
- Your dystonia is secondary to another condition (e.g., stroke, Parkinson's disease)
- You have generalised dystonia (affecting the whole body)

Talk to your doctor about whether this trial might be right for you.

Key Eligibility Criteria

Inclusion (4)

- Over 18 years of age,
- Diagnosis of Primary Focal Dystonia by a neurologist
- No contraindications to TMS or TDCS (head injury, epilepsy, implanted devices, some medications)
- No other neurological or musculoskeletal disorder affecting the dystonic region

Exclusion (4)

- Contraindications to TMS or TDCS
- Musculoskeletal or neurological disorders other than primary focal dystonia affecting the body part
- Secondary Dystonia (eg after stroke or Parkinsons Disease)
- Generalised Dystonia

Locations (1 total)

Australia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12612000339853>

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