

Brain excitability in children with benign focal epilepsies

ACTRN12616000633482

Status	RECRUITING
Sponsor	Clinical Professor Soumya Ghosh
Enrollment	80 participants

Plain Language Summary

This study is looking at how the brain behaves electrically in children with a type of childhood epilepsy called Benign Focal Epilepsy of Childhood (BFEC). Researchers want to use a safe, painless technique called transcranial magnetic stimulation (TMS) to measure brain excitability. The goal is to understand why some children in the same family get seizures and others do not, and to predict which children may need treatment or are at risk for learning and language difficulties.

You may be eligible if:

- Your child has been diagnosed with BFEC or the BFEC trait by a paediatrician or neurologist
- You are a sibling or parent of a child with BFEC or BFEC trait
- Your child is 5 years of age or older
- Your child is able to cooperate with the testing

You may NOT be eligible if:

- Your child has an intellectual disability
- Your child is unable to cooperate with the assessment
- Your child has a cardiac pacemaker, cochlear implant, or other electrically or magnetically sensitive implant

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

Key Eligibility Criteria

Inclusion (3)

- Children with BFEC diagnosed by their treating paediatrician or neurologist.
- Children with BFEC trait diagnosed by their treating paediatrician or neurologist.
- Siblings and parents of children with BFEC or BFEC trait.

Exclusion (3)

- Children with intellectual disability
- Children unable to cooperate
- Presence of magnetically or electrically sensitive implants such as cardiac pacemakers, stimulators, pumps, cochlear implants, etc.

Locations (1 total)

Princess Margaret Hospital - Subiaco, WA, Australia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12616000633482>

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