



# Participate in research for Parkinson's Disease

Investigating peripheral stimulation as  
a treatment for Parkinson's disease  
gait impairments

## Who Can Participate?

Individuals with Parkinson's  
disease who:

- Have walking impairments
- Are less than 80 years old
- Have no other neurological condition

## Research Aims

**The purpose of this clinical trial is to:**

Investigate the effectiveness of applying non-invasive stimulation (in the form of vibration or mild electrical pulses) to the feet in alleviating walking impairments in Parkinson's disease (PD).



## What does it involve?

### Visiting the Kingston Centre, Cheltenham

- Attend an initial 3-hr information & assessment session
- If eligible, 5 consecutive visits to the Kingston Centre for daily stimulation
- Two follow-up visits to assess the effects of stimulation

### During the study visit, participants will:

- Have stimulation (either vibration or mild electrical pulses) applied to their feet
- Have PD symptoms assessed via video
- Be asked to walk on a floor mat with sensors to measure gait
- Wear an EEG cap (similar to a swimming cap) which records brain activity



## Contact Persons

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This study is a collaboration between the Bionics Institute and Monash Health



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