

## Wearable monitor for FOG detection

Status: Recruiting

# Eligibility Criteria

Sex: Male or Female Age Group: 18 years and over This study is also accepting healthy volunteers

#### Inclusion Criteria:

- Age: 21 to 75 years - Able to walk independently without the assistance of a walking aid

#### **Exclusion Criteria:**

- History of musculoskeletal disorders - Other significant neurological disorders - Hallucinations - Unable to walk - Legally Blind - Symptomatic low blood pressure - Additional exclusion criteria for young and healthy controls: diagnosis of Parkinson?s disease, or a family member with a diagnosis of Parkinson?s disease.

### **Conditions & Interventions**

Conditions: Brain & Nervous System Keywords: Parkinson's

### More Information

**Description:** Freezing of gait is a common problem in people with Parkinson's disease. Episodes of freezing can be overcome when a sensory cue is provided. This study will further develop and study the efficacy of a wireless shoe insole that can monitor walking and provide a cue (acoustic or vibrotactile) when a freezing event is detected. The experiment is designed to further test the ability of the device and algorithm to reliably detect freezing and release the episode with an external cue. This study has the potential to develop a tool that can help reduce the incidence and severity of freezing events in people with Parkinson's disease. **Study Contact:** Joshua De Kam - jadekam@umn.edu

Principal Investigator: Colum MacKinnon

Number: STUDY00011162

Thank you for choosing StudyFinder. Please visit http://studyfinder.umn.edu to find a Study which is right for you and contact sfinder@umn.edu if you have questions or need assistance.

