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Wearable sensors for the combined use of early detection of postural instability and fall risk prediction in Parkinson s disease patients

Status: Recruiting

Eligibility Criteria

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

Inclusion Criteria:

1. Anyone who has been diagnosed with parkinsonism including Parkinsons disease, Normal Pressure Hydrocephalus, or atypical parkinsonism 2. Healthy adults of similar age as study participants

Exclusion Criteria:

1. people who have dementia of sufficient severity to impair their ability to make health-care decisions for themselves

Conditions & Interventions

Conditions:
Brain & Nervous System
Keywords:
Deep Brain Stimulation (DBS), Falls, Parkinson's Disease

More Information

Description: Balance and walking problems in patients with Parkinson's Disease do not respond well to the typical medication or surgical treatments. This research study uses five small wearable devices that attach to clothing and can measure the body's location while performing walking tests, balance tests, and normal daily activities. By comparing patients with Parkinson's Disease to people of similar age without Parkinson's Disease, we hope to learn important differences relevant to the walking and balance problems in Parkinson's Disease
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IRB Number: STUDY00007441

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