

## Effects of Pallidal Deep Brain Stimulation Location on Motor Impairment in Parkinsons disease; Udall Project 2 Aims 1 & 2 Study

**Status:** Recruiting

### Eligibility Criteria

**Age:** 18 years and over

This study is NOT accepting healthy

**Healthy Volunteers:** volunteers

#### Inclusion Criteria:

- diagnosis of idiopathic Parkinson's Disease (PD) - have a deep brain stimulator (DBS) - have had a 7T brain scan

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#### Exclusion Criteria:

- history of musculoskeletal disorders that significantly affect movement of the upper or lower limbs - other significant neurological disorder - history of dementia or cognitive impairment - post-operative complications or adverse effects of DBS

### Conditions & Interventions

#### Conditions:

Brain & Nervous System

#### Keywords:

Clinics and Surgery Center (CSC), DBS, Deep Brain Stimulator, Parkinson's Disease, PD

### More Information

**Description:** This protocol will characterize the effects of deep brain stimulation (DBS) location (both adverse and beneficial) on motor signs in people with Parkinson's disease (PD). This information can be used to inform future DBS protocols to tailor stimulation to the specific needs of a patient. If targeted dorsal GP stimulation is shown to significantly improve motor features that are typically resistant to dopamine replacement therapy, these experiments will likely have major impact on clinical practice by providing a potential strategy to these medically intractable symptoms.

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#### IRB

**Number:** 1608M93561

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