

## Mechanisms of Rigidity Enhancement with an Activation Maneuver in Parkinson's Disease

**Status:** Recruiting

### Eligibility Criteria

**Sex:** Male or Female

**Age Group:** 18 years and over

This study is also accepting healthy volunteers

**Inclusion Criteria:**

1. Diagnosis of idiopathic PD as determined by a movement disorders neurologist 2. 21 to 80 years old. Healthy participants must be 18 to 80 years old.

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**Exclusion Criteria:**

1. Diagnosis of dementia 2. Significant arm tremor or very limited arm movement 3. History of other neurological disorders 4. Pregnancy

### Conditions & Interventions

**Conditions:**

Brain & Nervous System

**Keywords:**

Parkinson's Disease, Neurology

### More Information

**Description:** This study will investigate neural mechanisms underlying the enhancement of rigidity with an activation maneuver (contralateral voluntary movement such as hand tapping) in people with Parkinson's disease. Rigidity will be measured using a custom robotic manipulandum while neural activity will be assessed using EEG and TMS protocols.

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**IRB**

**Number:** STUDY00004525

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