Neuroplasticity of the motor system in people with idiopathic REM sleep behavior disorder

Status: Recruiting

Eligibility Criteria

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

Inclusion Criteria:

- Diagnosis of isolated REM sleep Behavior Disorder (iRBD) confirmed by polysomnogram - able to walk independently without using an assistive device (cane or walker) for 50 meters - 21-75 years old - For Healthy Volunteers: able to walk independently without using an assistive device (cane or walker) for 50 meters and 21-75 years old

Exclusion Criteria:

- diagnosed with dementia - history of musculoskeletal disorders that significant affect movement of lower or upper limbs - other significant neurological disorders that may affect participation or performance - Anti-depressant associated RBD.

Conditions & Interventions

Conditions:
Brain & Nervous System
Keywords:
REM sleep Behavior Disorder

More Information

Description: The purpose of this project is to evaluate motor system neuroplasticity and brain structure and function in people with Rapid Eye movement (REM) sleep behavior disorder (RBD) and healthy control participants. Our general hypothesis is that people with idiopathic REM sleep behavior disorder (RBD) will show abnormalities in motor cortical plasticity and alterations in structural and function connectivity that are consistent with changes observed in early Parkinson's disease (PD).
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