

Using eye movements to understand cognitive and motor functions in Parkinson's Disease

PURPOSE OF THIS STUDY

The purpose of this study is to test visual abilities and eye movements in patients with Parkinson's disease and healthy control participants and to link dysfunctions to cognitive abilities and disease severity.

WHO CAN PARTICIPATE

Patients may participate if they meet the following criteria:

- Age 50-85 years old with a diagnosis of PD
- Currently taking medication for your Parkinson's
- Normal or corrected-to-normal visual acuity (at least 20/40 in both eyes)
- No neurological or neurodegenerative diseases or history of brain injury
- No history of eye disease
- Fluent in English

WHAT IS INVOLVED

You will come for one study visit which takes 2.5 hours. You will be asked to sit in front of a computer monitor and look at, or away from, dots on the screen and we will record your eye movements using a non-invasive camera. There are also some demographic and medical questionnaires and you will complete a brief series of cognitive and motor tasks.

CONTACT INFORMATION

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Vancouver
CoastalHealth
Research Institute

STUDY TIME/ DURATION

Ongoing to Spring 2023

STUDY LOCATION

Oculomotor Laboratory in UBC Hospital
Room S257, 2211 Wesbrook Mall, Vancouver

PRINCIPAL INVESTIGATOR

Dr. Miriam Spering

Assistant Professor, Department of Ophthalmology and
Vision Sciences, UBC

Research Investigator with VCH Research Institute

To learn more about this study, visit vchri.ca/participate

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