

# Visual and ocular motor dysfunction in Parkinson's disease

## PURPOSE OF THIS STUDY:

This study aims at testing visual abilities and eye movements in patients with Parkinson's disease. In order to determine effects of healthy aging on these functions, we are looking for healthy volunteers to serve as a control group.

## WHO CAN PARTICIPATE?

- You must be between 60 and 85 years of age.
- You must have normal or corrected-to-normal visual acuity.
- You must have no history of neurological, psychiatric or eye disease.

## WHAT IS INVOLVED?

You will be asked to participate in one testing session lasting approximately 2 hours. During this session, you will first complete a number of short assessments to test your vision and cognitive abilities. You will then view visual stimuli on a computer monitor while your eye movements are being recorded using a video-based eye-tracker. In this study, we wish to test your ability to look at or track simple visual objects on a computer monitor with your eyes. In some tasks, you will be asked to make simple choices about these objects. Your participation may help us better understand sensory, perceptual and cognitive impairments in PD, and potentially help in the diagnosis and prognosis of symptom progression in this disease. Parking will be reimbursed upon request.

## CONTACT INFORMATION:

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## STUDY TIME/DURATION

Between June 15 and August 31

## STUDY LOCATION

2366 Main Mall  
UBC Campus  
Institute for Computing,  
Information and Cognitive  
Systems (ICICS)  
Room X725

## PRINCIPAL INVESTIGATOR

Dr. Miriam Spering  
Assistant Professor  
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and Visual Sciences  
Neuroscience of Vision and  
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Affiliated Investigator

To learn more about this study, visit [vchri.ca/participate](http://vchri.ca/participate)



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