

Research study: computational diagnostic tool for Neurological conditions.

What is the goal of these studies?

Rapid eye movement sleep behaviour disorder (RBD) is a sleep problem where people act their dreams with vocal sounds and sudden, often violent arm and leg movements. The aim of this research project is to investigate if people with RBD show disruption of automatic movements while awake, as has been shown for other neurological conditions such as Parkinson's disease. The aim of the PD project is to investigate if our computational tool can detect the disruption of automatic movements.

Who qualifies for the study?

We are looking for healthy **male** participants to complete the studies ideally **45, 54, 65 and 72 years old (but similar ages are also OK)**. All participant should have with normal mental function and without diagnosis of neurodegenerative diseases such as Parkinson's disease.

What is involved if I participate?

Volunteers will complete the study in one visit at Dunedin Hospital/Otago University. We will ask you to come in and perform some brief computer game tasks. We will also ask you some standard questions about your medical history and examine your movement function. The tests are generally completed in 1h30.

We provide the participants with \$30 worth petrol vouchers to cover travel costs and time.

If you are interested, please contact Dr Mariana Leriche Vazquez by email mariana.lerichevazquez@otago.ac.nz