Research Project Information Sheet Study 1

Acute Perturbation training for Parkinson's Disease

Ethics Approval Number: **A231987**

Research Team Contact Details

Chief Investigator
Assoc Prof Suzanne Broadbent
Email: sbroadbe@usc.edu.au
Phone: (07) 5459 4545

Partner Investigator
Ms Laine Chilman
Email: lchilman@usc.edu.au
Phone: (07) 5456 3436

Partner Investigator
Ms Sarah Binns
Email: sab062@student.usc.edu.au
Phone: (07) 0481 482 308

Partner Investigator
Dr Max Stuelcken
Email: msteulck@usc.edu.au
Phone: (07) 5459 4629

Partner Investigator
Dr Rob Buhmann
Email: rbuhmann@usc.edu.au
Phone: (07) 5459 4667

Partner Investigator
Assoc Prof Mark Sayers
Email: msayers@usc.edu.au
Phone: (07) 5459 4703

Partner Investigator
Dr Dan van den Hoek
Email: dvandenhoek@usc.edu.au
Phone: (07) 5459 4643

Partner Investigator
Mr Daniel Mellifont
Email: DMellifo@usc.edu.au
Phone: (07) 5456 5014

Partner Investigator
Dr Sonja Coetzee
Email: scoetzee@usc.edu.au
Phone: (07) 5456 5307

Project Description

The purpose of this research project is to evaluate the effects of wearing a novel balance training device, similar to a small backpack, to improve balance, mobility and walking in people with Parkinson's. If you are over 18 years and have Parkinson's Disease Hoehn & Yahr Stage 1 to 4, you are invited to participate in this research project. You must be able to stand and walk unassisted by another person to participate (mobility aids/devices are OK).

Participation

If you agree to participate in this research project, you will be asked to attend the university exercise science laboratory. You will have a short health screening done, and will be asked to complete a walk and mobility test, a sit-stand test and a series of short questionnaires. The total time taken for assessments and the walking activity will be no more than 60-minutes. A worn device, like a small backpack, will challenge your balance and the researchers will assess balance, mobility and walking with the device turned off and on. The device weighs approximately 1 to 1.5 kg; its moveable arm changes direction at a slow to moderate speed. Your participation is voluntary and will not affect your relationship with UniSC staff, researchers or allied health professionals.

You may withdraw from the study at any time.

Consent

We need your written consent for you to participate in the study. Consent is for your data and information to be collected in a re-identifiable format, stored in both a re-identifiable and non-identifiable format, and used in analysis and publications in a non-identifiable format. Consent is sought for this research project only. Your consent may be Specific (your deidentified data may not be used for any future research) or Extended (your deidentified data may be made available for other similar projects as part of a larger data set). You may choose which type of consent to agree to.

Risks and Benefits

There are minimal risks associated with your participation. If you currently don't exercise, you may get some tiredness or muscle stiffness. You will be supervised by researchers at all times in case of dizziness or falls.

This research project may not directly benefit you but you will have your balance, mobility and walking assessed and the worn device may improve your Parkinson's symptoms while you wear it. We will pay for your parking fees at the university. We appreciate your input and contribution to Parkinson's Disease research and exercise rehabilitation. Some measurements will be taken as you walk, and we will also complete some paperwork/assessments with you.

Privacy, Confidentiality and Results

Any data collected as a part of this research project will be stored securely as per UniSC's Research Data Management Procedures. All comments and responses will be treated confidentially unless required by law. Your personal data can only be accessed by the research team and will be re-identifiable only for the purpose of contacting you and sending your results. Study data is re-identifiable but is coded for analyses. Collated data is non-identifiable for any study publications or presentations. All your information will be kept confidential and stored securely.

The results of this research project may be presented at external or internal conferences, or by publication. If you would like a summary of findings of this research project, please contact the Chief Investigator (listed above).

Concerns or Complaints

If you have any concerns or complaints about the way this research project is being conducted you can raise them with the Chief Investigator (listed above). If you prefer an independent person, you may contact the Chair of the UniSC Human Research Ethics Committee: (c/- Office of Research, University of the Sunshine Coast, Maroochydore DC 4558; telephone (07) 5430 2823; email humanethics@usc.edu.au).

Please save the information above if you choose to participate.

Consent – Written

University of the Sunshine Coast Australia

Consent to Participate in Research Study 1

Acute Perturbation training for Parkinson's Disease

Ethics approval number: *******

- ☐ I have read, understood, and kept a copy of the Research Project Information Sheet. Any questions I have about my participation have been answered and I consent to participate.
- ☐ SPECIFIC CONSENT: I consent for my data and information to be used in a confidential manner for this project only.

OR

- ☐ EXTENDED CONSENT: I consent for my deidentified data to be used as part of a larger data set for other similar research projects in the future, with ethical approval.
- ☐ I understand that I can withdraw from this project at any time.

☐ OPTIONAL I consent to the research team retaining my contact details so that I can be invited to participate in future related research.

Participant

Name	Signature	Date