

INFORMATION SHEET AND CONSENT FORM FOR ONLINE SURVEYS Therapist

Robotic-assisted game-based rehabilitation for upper limb function in people with chronic stroke: A feasibility study

What is the research study about?

The purpose of this online survey is to investigate the feasibility of a whole limb robotic-assisted game-based exercise program in improving upper limb function for people with chronic stroke. This study will generate knowledge on the acceptability, potential barriers, and facilitators of innovative rehabilitation techniques like the Tyromotion® Rehabilitation Suite in treating a patient with chronic stroke from the perspective of the patient, carer and the therapist. Furthermore, it will provide preliminary data about the effects of this novel intervention.

You have been invited to participate because you are an Allied Health Professional who use Tyromotion devices in upper extremity rehabilitation after stroke.

Who is conducting this research?

My name is Esminio Il L. Rivera and I am a research master student at UTS. My supervisors are Dr. Camila Quel De Oliveira (Primary supervisor, email: Camila.QuelDeOliveira@uts.edu.au), Dr. Arianne Verhagen, Dr. Peter Stubbs and Dr. Alana McCambridge.

Inclusion/Exclusion Criteria

Before you decide to participate in this research study, we need to ensure that you are eligible to take part. You must satisfy all the details below:

- You are a Physiotherapist, Occupational Therapist, or Exercise Physiologist
- You have been trained in how to use one or more of the Tyromotion devices
- You have at least six months experience in using one or more devices of the Tyromotion® Rehabilitation Suite in treating neurologic conditions
- You are a native or fluent speaker in the English Language.

Do I have to take part in this research study?

Participation in this study is voluntary. It is entirely up to you whether or not you decide to take part.

If you decide to participate, you will be asked to:

1. Provide details about you and your practice in neurorehabilitation, in general, and using Tyromotion devices in upper extremity rehabilitation. Also, to validate that you are a practicing therapist you need to provide your complete name (As reflected in your license to practice), and registration number.
2. Answer questions about your observation on how the patients respond when undergoing upper extremity training using any Tyromotion device and your feedback in using the machine. Questions will consist of Likert scale items and open-ended questions.

You can change your mind at any time and stop completing the surveys without consequences.

Are there any risks/inconvenience?

We don't expect serious harm in joining the study, however emotional distress is possible as questions may trigger unpleasant memories or sensitive topics may be covered in the questionnaire.

What will happen to the information that I provide?

Access to the online questionnaire is via RedCap. By clicking the Agree button below, you give your consent to the research team to collect and use the information you provide. All this information will be treated

confidentially. Only the research student and the primary supervisor of the study will have access to your data. Moreover, the data will be presented in such a way that your identity will not be disclosed. Your information will only be used for this research project, and it will only be disclosed with your permission, except as required by law.

We want to store your information for future use in research projects that are an extension of this research project. In all instances, your information will be treated confidentially.

We plan to publish the results in a scientific journal and conferences in the future. In any publication, information will be provided in such a way that you cannot be identified.

What will happen if I say no?

If you decide not to participate, it will not affect your relationship with the researchers or the University of Technology Sydney. If you wish to withdraw from the study once it has started, you can do so at any time without having to give a reason, by contacting Mr. Esmínio L. Rivera II, the principal investigator of this study.

If in case you have withdrawn from the study, please take note that all information you provided will be erased from our database

What if I have concerns or a complaint?

If you have concerns about the research that you think my supervisor or I can help you with, please feel free to contact us on the following:

Esmínio L. Rivera II

Research Student

Phone: +61407584635

Email: esminioii.rivera@student.uts.edu.au

Dr. Camila Quel De Oliveira

Principal Supervisor

Email: Camila.QuelDeOliveira@uts.edu.au

If you would like to talk to someone who is not connected with the research, you may contact the Research Ethics Officer on 02 9514 9772 or Research.ethics@uts.edu.au and quote this number [UTS HREC ETH18-3022]