

Appendixes

Appendix A: Information Sheet



The University of
Nottingham

PARTICIPANTS INFORMATION SHEET

Evaluating Patients' and Physiotherapist's Perceptions of 3D-Printed Soft-Gloves for Hand Rehabilitation

Introduction

You are invited to take part in a research study. Before you decide whether to participate, it is important for you to understand why the research is being done and what it will involve. Please take the time to read the following information carefully and discuss it with others if you wish. Ask us if there is anything that is not clear or if you would like more information.

What is the purpose of the study?

The purpose of this study is to evaluate the acceptability and usability of a soft glove designed to assist in the rehabilitation process for post-stroke and spinal cord injury patients. Soft gloves will be introduced with different materials in a show case to be evaluated. Please note that no clinical trial or biomechanical measures will be carried out, and no activities will be performed that could put you at any risk or danger, either physically or mentally.

Why have I been invited to participate?

You have been invited to participate because you are a physiotherapist, a post-stroke or a spinal cord injury patient or currently undergoing hand rehabilitation for any other issue. Your insights and feedback are valuable to help us understand the real challenges in the hand rehabilitation process. Your feedback will help us to develop the next level of the gloves prototypes to be ready for clinical trials.

Do I have to take part?

Participation in this study is entirely voluntary. It is up to you to decide whether or not to take part. If you decide to participate, you will be given this information sheet to keep and asked to sign a consent form. You are free to withdraw at any time, without giving a reason. This will not affect the care you receive.

Will I receive compensation for my time?

You are taking part in this study as a volunteer, and you will receive a £20 voucher as a compensation for your time if you complete the full study.

What will happen if I take part?

After agreeing to take part in this study, all your questions and concerns will be addressed, and you will complete a demographic questionnaire. In the study session, you will receive brief information about rehabilitation soft gloves and then try on some sample gloves, providing feedback on each one using a short questionnaire. Afterward, you will have an open discussion with the researcher about your experience. In the final stage, you will fill out a questionnaire about your overall insights on rehabilitation soft gloves.

Will my taking part in the study be kept confidential?

Yes, all information collected about you during the study will be kept strictly confidential. Your personal data will be anonymized, and you will be identified only by a unique participant ID in all study documents and reports. Data will be stored securely and only accessible to the research team.

Note that after completing the study, you will not be allowed to withdraw your questionnaire answers.

What will happen to the results of the research study?

The results of this study will be used to improve the design and functionality of the soft glove and may be published in scientific journals or presented at conferences. You will not be identified in any publications or presentations. We will provide you with a summary of the study findings if you are interested.

Who is organizing and funding the research?

This study is organized by University of Nottingham and is funded by UNICAS.

Who has reviewed the study?

This study has been reviewed and approved by The University of Nottingham, Faculty of Engineering Ethical Review Committee.

Contact for Further Information

If you have any questions or would like more information about the study, please contact us via provided email.

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Thank you for considering participation in this study.