

# Usability Comparisons of the Oculus Rift Head-Mounted Display and the Firsthand 3D-Stereoscopic Display in Virtual Meditative Walk

## User study – script of verbal consent

Welcome to the ~~pain studies lab~~ Dr. Pamela Squire's pain clinic. The reason you are here today is because you opted to volunteer for our user study that aims to help chronic pain patients manage their pain.

In this study you will first read a more detailed written version of what you will do and decide if you would like to proceed.

Next, you will fill out a questionnaire that gathers information about your pain level and experience using Virtual Reality equipment. Then, you will listen to a sound file that introduces you to mindfulness mediation. If you are unfamiliar with the term or have not meditated before, it's absolutely OK and there is nothing to be worried about. The process has been designed for novice meditators and there is no winning or losing; it's just an observation of you during a relaxation process. Next, you will be seating on a chair using either the 3D stereoscopic or the Head-mounted Display (HMD). Next, you will be observing 3D scenery and will follow a narrator who is instructing you to perform mindfulness mediation. Again, if it's your first time, it's totally OK and there is nothing to be worried about.

After 10 minutes, you will be asked to fill out another questionnaire.

Then you are going to use the other type of 3D display and complete another 10-minutes trial. Also there is a follow-up questionnaire, and you are done!

Remember you have the right to ~~opt out of~~ withdraw the experiment at any time you want with no penalty. We will still keep your data if you withdraw the study. The data collected from questionnaires will be stored for 5 years from the date it is being collected, and then the data will be disposed. All physical paper questionnaires and consent forms from the participants will be smashed and all electronic data will be completely deleted from the storage devices.

We hope to help chronic pain patients overcome some of the health and social impacts of this disease by applying our approach. If you do not have any further questions, let's get you started by reading and signing the consent form.