



Volunteer Wanted

Universitätsklinikum
Erlangen



FAU FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG

- Do you want to play with the gesture control 3D video game for free?**
- Do you want to get an individual visual ability test for free?**
- Do you want to improve your Stereo Vision without any effort?**
- Do you want to improve your Eye-Hand Coordination in a very fun way?**

Project Description:

Human vision can be represented as a set of the six visual channels – Spatial Contrast, Spatial Orientation, Texture, Contrast, Motion, Stereo and Color. Most of the daily or sportive activities do not require all six channels. One specific vision-channel might be more important than the others to maintain performance in a specific activity. Stereo vision is the visual ability to perceive the world in three dimensions (3D) and the distance of an object. The better stereo vision one has, the better judgment of the distance and depth could appear in the daily life and the performance of the sports.

Nowadays using methods for improving stereo vision are all in static ways at near distance. This cannot help people to put the training effects into real life world. We developed a new system which based on gesture control with Kinect, could train the stereo vision ability in dynamic way at far distance, and also the Eye-Hand Coordination at the same time. The main hypothesis of the planned study is that a specific interactive assessment and training of stereopsis, which is the most critical for a particular sport activity, would improve the ultimate efficacy of training both in terms of time and performance.

What to do:

- Honestly fill in all the blanks on the Questionnaire
- 2 times per week gesture control 3D video playing (perceptual learning training)

What you can get:

- Basic Eye Health knowledge
- Eye Protection Suggestion
- Free individual Visual Ability tests
- 3D video Stereo Vision Training (Fun! Fun!! Fun!!!)
- Vision ability improvement

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Join us, not only for us, but also for your own good ☺ Please contact us ASAP!