

School of Optometry

School Seminar

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PhD

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Developing the Tools for Prosthetic Low Vision Rehabilitation (PLoVR)

Date : Tuesday 4 November 2014

Time : 1:00pm – 2:00pm

Venue : Room EF311, The Hong Kong Polytechnic University

Abstract

Low vision specialists are used to helping patients with severe vision loss make the best possible use of their remaining sight. Artificial vision mediated by retinal implants may pose entirely new challenges to low vision care providers, since restored vision may be very different from native vision. The NEI-sponsored PLoVR study aims to improve our understanding of ultra-low and artificial vision, and adapt the materials and methods used in low vision care to this new patient population. We have developed a questionnaire to probe the visual ability of patients with these vision levels, and are continuing to calibrate this survey through Rasch analysis. In addition, the PLoVR study develops new activities requiring a very limited amount of vision, to be used for both rehabilitation and visual performance assessment. In this talk I will introduce the components of the study, present the psychometric qualities of the PLoVR questionnaire, and introduce the activities derived from it.

Low vision rehabilitation specialists are already working with retinal implant recipients, and recipients of other treatments will soon follow. A generalized approach to the rehabilitation of individuals with ultra-low vision, based on the results of the PLoVR study, will be the basis for the coming expansion of this field.

Please note that no CPD hour will be counted for this talk.

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