

# eSight eQUEST RESULTS OVERVIEW

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The eSight Quality of life and Efficacy Study (eQUEST) was a multi-center, prospective cohort study, conducted independently at the following preeminent low vision research and rehabilitation institutions in the United States and Canada throughout 2016 (<http://www.clinicaltrials.gov>) NCT02616900:

- 1) Bascom Palmer Eye Research Institute / Lighthouse of the Palm Beaches, Palm Beach, FL
- 2) Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD
- 3) University of Michigan Kellogg Eye Center, Ann Arbor, MI
- 4) University of Toronto, Toronto Western Hospital, Toronto, ON
- 5) The Center for Retina and Macular Disease, Lakeland, FL
- 6) Université de Montréal Clinique Universitaire de la Vision, Montréal, QC

We put 51 individuals living with low vision under a comprehensive set of tests prior to and after being fitted with eSight eyewear. We conducted additional testing after three months of at home use. In eQUEST, we provide strong objective evidence of the value of eSight in a low vision population. We demonstrate significant improvements in objective visual function measures, activities of daily living (ADL) performance, and most importantly, patient-reported quality of life outcomes. Most notable was the absence of decline in mobility performance, which is a significant drawback of all other head-worn video systems.

We presented eQUEST at the annual Association for Research in Vision and Ophthalmology (ARVO) conference in Baltimore, May 2017, and at the triennial International Society for Low Vision Research and Rehabilitation (ISLRR) "Vision 2017" conference in the Hague, Netherlands, June 2017. Formal publication of eQUEST results is targeted for various peer-reviewed publications, beginning in 2018 with the journal Optometry and Vision Science (OVS).

## Testimonials:

"The functional tests (VFQ 48 overall, reading, mobility, visual info and motor abilities scores) are the most important outcomes and show in most of the cases a significant improvement is achieved after using the device."

Dr. Samuel N Markowitz, MD, Toronto Western Hospital

"The Wilmer Eye Institute at the Johns Hopkins Medical Institutions was one of six sites participating in an independent multi-month study of eSight Eyewear. The results, while not yet peer-reviewed, indicate significant improvement in a number of validated visual performance measures. More importantly, study participants reported much improved day-to-day visual ability when using eSight. eSight Eyewear can have a substantial impact on the lives of many people with severe vision loss."

Dr. Gislin Dagnelie PhD, Johns Hopkins University

"eSight Eyewear resulted in immediate improvements in all visual function measures, with face recognition and ADLs showing a benefit of further practice/training. Self-reported outcomes suggest that visual abilities, such as reading, are greatly improved when wearing the device."

Dr. Walter Wittich PhD, Université de Montréal