Author Response: Comparison of Local Structure–Function Relationships and Dynamic Range in Glaucoma

We greatly appreciate the interest of Dr. Wang1 in our article2 and would like to express our thanks for the opportunity to address the issues raised by Dr. Wang.

A goal of this study was to compare the dynamic range of measurements for various macular parameters. Hence, 8 normal eyes were added to the sample to provide the a wide range of macular measurements from normal to advanced glaucoma. Since no comparison of various macular measures between normal and glaucomatous eyes was planned, we believe this number of eyes was adequate. More normal eyes in the sample would inflate the top portion of the bivariate structure-function plots, without significantly adding to the power of the study, especially since 24 individual superpixel and sensitivity measurements per eye were available.

We agree with Dr. Wang that findings derived from a cross-sectional study may not provide a definitive answer to the hypotheses tested in the study, and we have clearly acknowledged that in the paper. Our sample was derived from baseline data of an ongoing longitudinal study. We plan to use the longitudinal data from this study, once complete, to seek a definitive answer to the hypotheses explored here. In the meantime we believe that our preliminary findings can be useful for investigators who are interested in this subject.

Arezoo Miraftabi1,2
Navid Amini3
Esteban Morales1
Sharon Henry3
Fei Yu1,3
Abdolmonem Afifi3
Anne L. Coleman1
Joseph Caprioli1
Kourosh Nouri-Mahdavi1

1Glaucoma Division, Stein Eye Institute, David Geffen School of Medicine, University of California Los Angeles, Los Angeles, California, United States; 2Eye Research Center, Rasoul Akram Hospital Iran University of Medical Sciences, Tehran, Iran; and the 3Department of Biostatistics, Jonathan and Karin Fielding School of Public Health, University of California Los Angeles, Los Angeles, California, United States.
E-mail: nouri-mahdavi@jsei.ucla.edu

References


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