WHY MEASURE MPOD?

Macular pigment optical density (MPOD) measurement is an important factor in evaluating macular health as part of a larger, more comprehensive retinal exam. Experts like Stuart Richer, OD, PhD* utilize MPOD measurement to:

- Establish a baseline for ocular nutrition therapy
- Monitor patient adherence and nutritional therapy success
- Identify patients susceptible to age-related eye health concerns due to inadequate protection against blue light and free radical exposure to the photoreceptors and retinal pigment epithelium (RPE) cells

It is estimated that 78% of the U.S. population has suboptimal macular pigment protection. Given this, MPOD measurement should be considered standard practice in a patient's macular health assessment, particularly as an identifiable risk for age-related eye health.

Guaranteed to Increase MPOD!

EyePromise® is the only eye health nutraceutical guaranteed to increase MPOD in 6 months. The MPOD guarantee can be measured and monitored with the QuantifEye® MPS II instrument.

*The Value of Measurement of Macular Carotenoid Pigment Optical Densities and Distributions in Age-Related Macular Degeneration *(Bernstein, Delori, Richer, van Kuijk, Wenzel, et. al. – Vision Research, 2010)*

- It is possible to identify individuals at reduced, medium and elevated risk for age-related eye health concerns based on MPOD levels.
- "There is increasing recognition that the optical and antioxidant powers of the carotenoids lutein and zeaxanthin play an important role in maintaining the health and function of the human macula."

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THE INDUSTRY-STANDARD MACULAR PIGMENT OPTICAL DENSITY MEASUREMENT INSTRUMENT

The QuantifEye MPS II measures a patient's MPOD with scientifically-validated technology and results. Using the QuantifEye MPS II, eye care professionals can determine MPOD protection and long-term eye health more accurately.

Designed for clinical use, the instrument has a small footprint and offers a simple, efficient way to evaluate a patient's macular health. With a 2-minute, monocular test, there is little time added in the lane. Other benefits of the QuantifEye MPS II include:

- Accurate and repeatable test results
  - Macular Pigment Optical Density: Repeatability, Inter-eye Correlation and Effect of Optical Dominance *(Davey, et. al., College of Optometry, Western University of Health Sciences, Clinical Ophthalmology, August 2016)*
- Central and peripheral testing capabilities
  - Macular pigment measurement in clinics: controlling the effect of the aging media *(M. Makridaki, D. Carden and I. J. Murray, Ophthalmic and Physiological Optics, College of Optometrists, 2009)*
- A data quality index feature that confirms the accuracy of each test

Other Scientific Support

We found high agreement between test and retest measurements of QuantifEye MPS II and the fundus reflectance method.

– Desktop Macular Pigment Optical Density Measurement: A New Approach Based on Heterochromatic Flicker Photometry *(Berendschot, et. al. – E, volume 25,)*

MPOD was measured with the QuantifEye instrument and the method demonstrated good repeatability of 97%.

– A New Desktop Instrument for Measuring Macular Pigment Optical Density *(Van Der Veen, et. al. - Ophthalmology and Physiological Optics, 2009)*

"I was a very early adopter of QuantifEye MPOD measurement in my practice. I quickly realized that MPOD testing is a very valuable, if not critical, clinical tool for detecting low levels of macular pigment density and identifying the population at risk for [aging eye health concerns], as well as giving the clinician the ability to follow the progress of [nutrition] plans."

— John Herman, OD, FAAO