



AMERICAN ACADEMY
OF OPHTHALMOLOGY*

Biomarkers of Happiness

Though the science of refractive surgery has advanced tremendously, there is a distinct subset of patients who are unhappy after refractive surgical correction due to dry eye, glare, or poor quality of vision. Thus, a detailed scientific approach is required to decipher the sequence of events leading to patient dissatisfaction, which include

- preoperative factors such as topography, aberrations, tear film quality, and tear biomarkers
- intraoperative factors such as type or duration of surgery, epithelial integrity, and ease of flap dissection
- postoperative factors including medical therapeutic regimes

This enables us to predict and modify the outcomes of this subset of patients. Using retrospective case analysis, we propose a model to acquire a deeper understanding of the reasons behind patient unhappiness, taking into account patient personality, optics, and ocular-surface cell markers, thus transforming our results from a 20/20 unhappy patient to a 20/20 happy patient.

Access the exact URL :

<https://www.aaopt.org/webinar-detail/biomarkers-of-happiness>