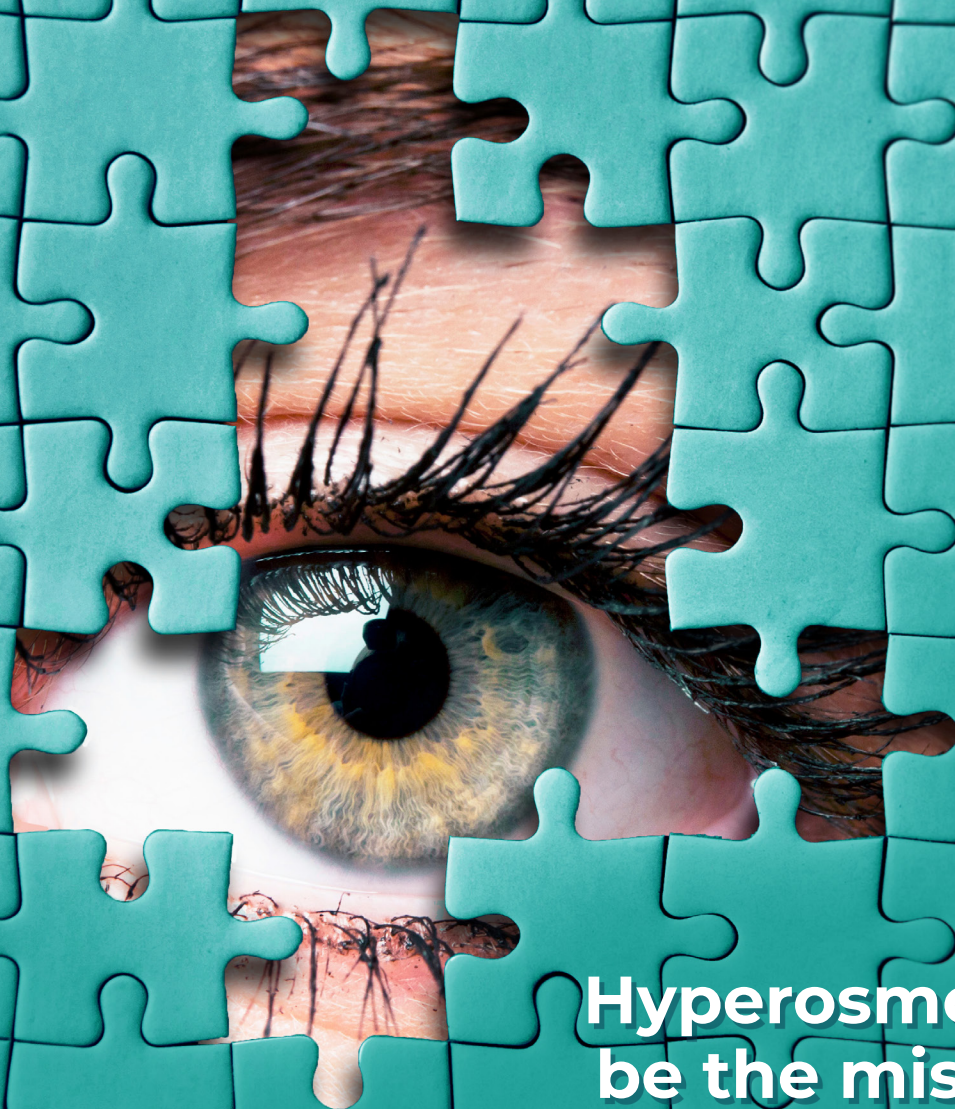


IN CATARACT AND REFRACTIVE SURGERY

20/20 Unhappy Patients Can Be Puzzling



**Hyperosmolarity may
be the missing piece**

Did you know that tear hyperosmolarity results in 7x more patients being dissatisfied with their cataract surgery outcomes?¹

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Solving the puzzle requires understanding that intraocular light scatter impacts quality of vision

Objective Scatter Index (OSI) is used to quantify the magnitude of intraocular scatter²

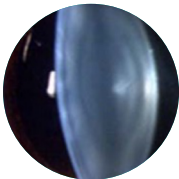
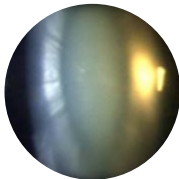
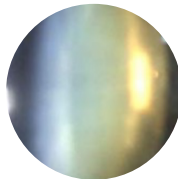
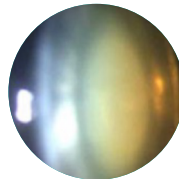
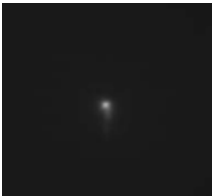



Cataract Grade	No Cataract	Grade 2	Grade 3	Grade 4
Slit lamp image example				
Mean OSI	0.7	3.0	6.0	9.0
Double-pass image example				

Image quality can be impaired even if the target for visual acuity is achieved²

What your 20/20 unhappy patient may see



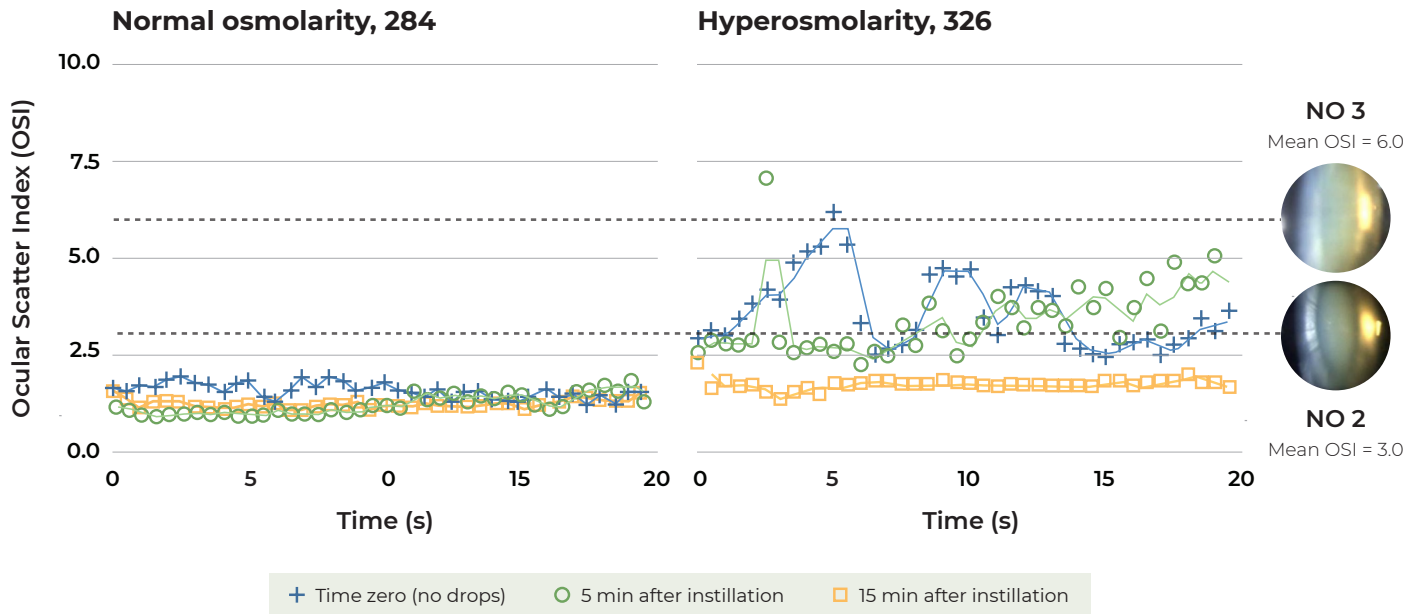
What your 20/20 happy patient sees



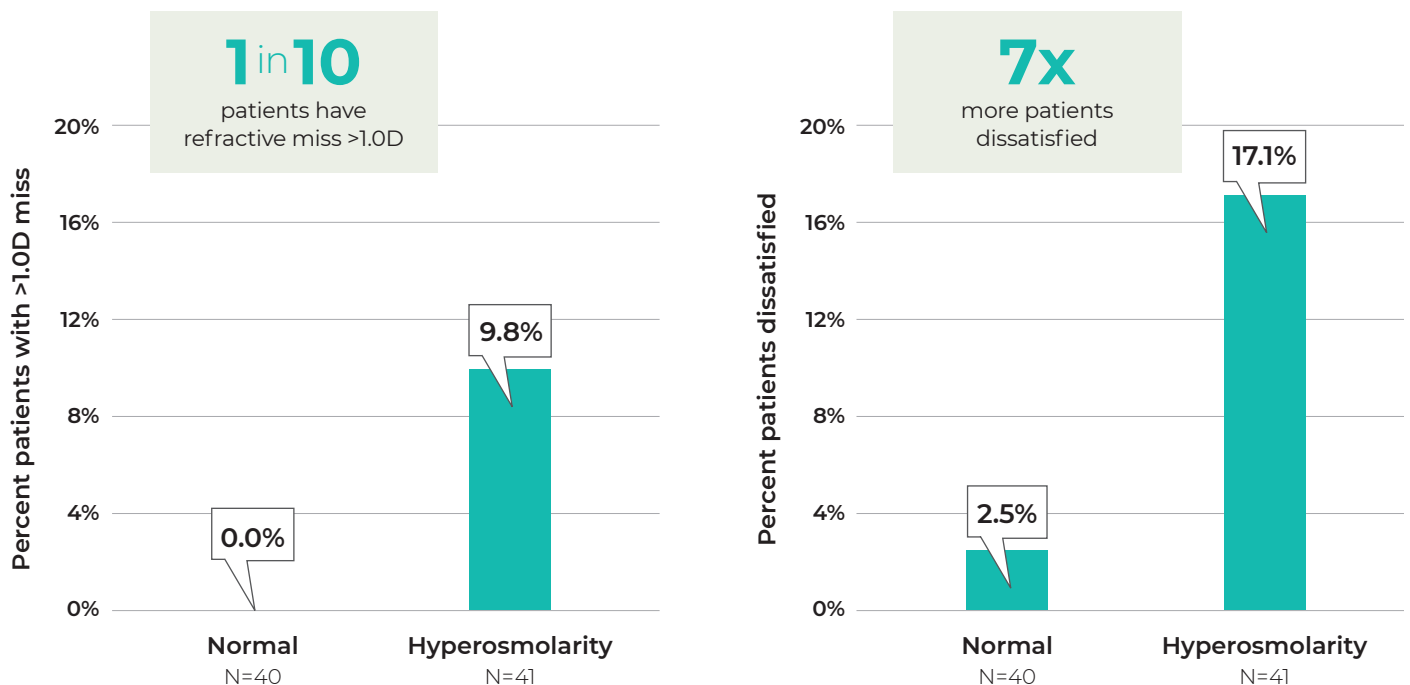
Tear hyperosmolarity increases light scatter³ and interferes with surgical outcomes¹



Hyperosmolarity creates light scatter equivalent to a grade 2–3 cataract³



Tear hyperosmolarity makes refractive misses and patient dissatisfaction more likely after cataract surgery¹



Tear osmolarity testing can help solve the puzzle of the 20/20 unhappy patient



Eric D. Donnenfeld, MD

“I get asked, ‘how important is osmolarity testing in modern cataract-refractive surgery?’ And my response is, ‘how important is quality of vision for your patient outcomes?’”



Selina McGee, OD

“I am relentless in delivering the highest quality of vision for my patients, and osmolarity testing provides me the objective data needed for ideal treatment plans.”



Dagny Zhu, MD

“You’ll be surprised at how much ocular surface risk you were missing before using osmolarity testing and how much better you’ll be able to serve your patients’ needs to improve their post-op visual outcomes; a happy patient is a happy surgeon!”



Paul Karpecki, OD

“We are starting to recognize that one of the reasons patients don’t get good quality of vision after cataract surgery or have problems with contact lenses or glasses is because the tear film is affecting it.”

Incorporate tear osmolarity testing into your practice today!

Learn more at www.Trukera.com

REFERENCES: 1. Kursite A and Laganovska G. *J Ophthal (Ukraine)*. 2023;2:11-5. 2. Artal P, et al. *PLoS ONE*. 2011;6(2):e16823. 3. Nochez Y, et al. *Invest Ophthalmol Vis Sci*. 2011;52(14):3754.

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