

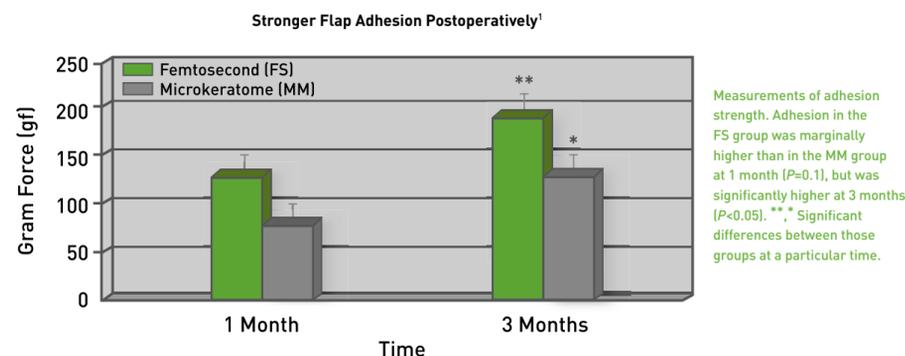
IntraLase™ Innovation At Work: Strong Flaps That Actually Heal

iLASIK™ AMO Innovation At Every Step

The IntraLase FS laser gives surgeons unparalleled control over flap diameter, depth, centration and ablation pattern, for safer, precision-designed treatments with faster healing and better visual outcomes.

Better Wound Healing

- The IntraLase FS laser produces stronger flap adhesion postoperatively¹
- The IntraLase FS laser may make stronger flaps that are more resistant to trauma and reduce the incidence of certain complications¹



Enhanced Safety

- The risk of infectious keratitis is significantly greater with Photorefractive Keratectomy (PRK) than it is with LASIK²
- The risk of ectasia is significantly decreasing with IntraLase Sub-Bowman's Keratomileusis (SBK)

“The pendulum has swung way too far to the side of surface ablation and needs to come back to LASIK, especially with the safety of IntraLase thin-flap LASIK. There is no safer form of refractive surgery with better visual results for the great majority of my patients than SBK with IntraLase.”

— Eric D. Donnenfeld, MD
Ophthalmic Consultants of Long Island
Rockville Centre, NY, USA

IntraLase™ Technology Is Essential To The iLASIK™ Solution

Millions of LASIK candidates have been waiting for the most advanced LASIK technology ... They've been waiting for the iLASIK procedure: AMO's innovative combination of IntraLase technology with the Advanced CustomVue™ treatment using VISX™ technology.

The iLASIK technology solution will help you grow your refractive practice by:

- Providing an integrated platform featuring advanced technology at every step
- Driving demand for the iLASIK procedure by actively targeting all segments of “Generation i”
- Giving physicians a committed partner that is making an unmatched investment in LASIK

Combined Advantages

One company, one integrated LASIK platform and one committed refractive partner — that's how we define the iLASIK solution. Our “forward-thinking” strategy, combining all the best LASIK technology, delivers the potential for long-term clinical advantages and ergonomic improvements, while spelling the end of the “a la carte” assemblage of system components in the laser suite.

It's Time To Meet “Generation i”

Increasing the success of your practice means increasing the overall size of the LASIK category. Growing LASIK and growing your practice is the ultimate objective of the iLASIK solution. We'll help you reach out to “Generation i” — the dynamic group of prospects spanning Generation Y, Generation X and Baby Boomers — by speaking their language and taking the mystery and confusion out of laser vision correction. Your marketing conversation with consumers just got a whole lot easier — it begins with the iLASIK procedure.

The “i” Changes Everything

References:

1. Kim JY, Kim MJ, Kim TI, et al. A femtosecond laser creates a stronger flap than a mechanical microkeratome. *Invest Ophthalmol Vis Sci.* 2006;47(2):599-604.
2. Donnenfeld, E. Which is safer — IntraLase SBK or PRK? Presented at IntraLase Symposium & Gala, April 2007.
3. Data provided by Boghossian A, Durrie DS. Biomechanical comparison between sub-Bowman's keratomileusis and surface ablation.
4. Stahl JE, Durrie DS, Schwendeman FJ, et al. Anterior segment OCT analysis of thin IntraLase femtosecond flaps. *J Refract Surg.* 2007;23(6):555-558.
5. Data on file, IntraLase Corp. Durrie DS, Slade S. A prospective, randomized, multi-center clinical comparison of fellow eyes undergoing LASIK with IntraLase FS laser or photorefractive keratectomy.
6. Data provided by Barbosa de Souza L, 2007.
7. Submitted for publication: Yoo SH, Kymionis GD, Koreishi A, et al. Femtosecond-assisted sutureless anterior lamellar keratoplasty (FALK).



Advanced Medical Optics, Inc. • 9701 Jeronimo Road, Irvine, CA • 92618 USA • 1 [877] 393-2020 • +1 [949] 859-5230 • www.amo-ilasik.com

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Always At The Forefront Of Innovation



Essential Components Of A Perfect LASIK Flap

Stronger flaps, improved wound healing: preservation of Bowman's layer; flap edge healing results in corneal strength comparable to PRK

Enhanced safety: less ectasia; minimal epithelial ingrowth and folds

Biomechanical stability: comparable to PRK

Predictability: thin flap with a uniform thickness across the entire flap

Superior visual outcomes: maximum clarity and transparency

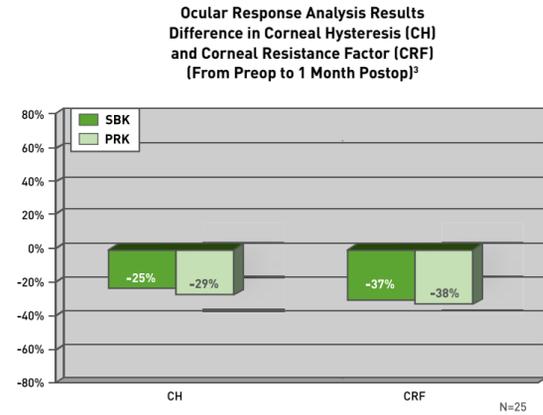
Centration via software: ensures maximum stromal bed exposure, delivers minimal disruption of vital peripheral lamellar structure

Less flap-induced higher order aberration: enables wavefront-guided treatment to deliver better visual outcomes



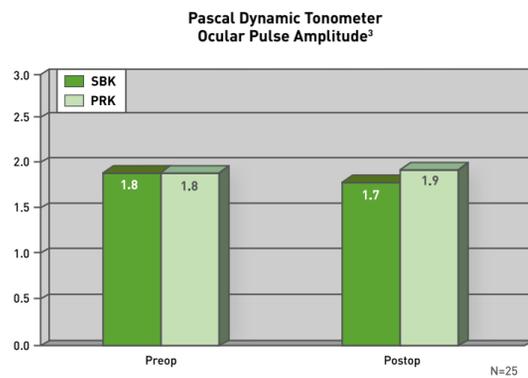
Biomechanical Stability

IntraLase™ SBK demonstrates biomechanical stability equivalent to PRK.³



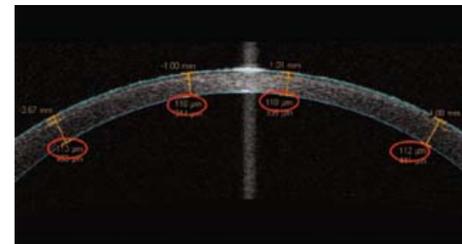
"IntraLase flaps of 100 microns or less offer the refractive surgeon the best of both worlds, in that wound-healing processes are minimized and biomechanical changes are indistinguishable from those in surface ablations."

— Prof. John Marshall, PhD
The Rayne Institute
United Kingdom

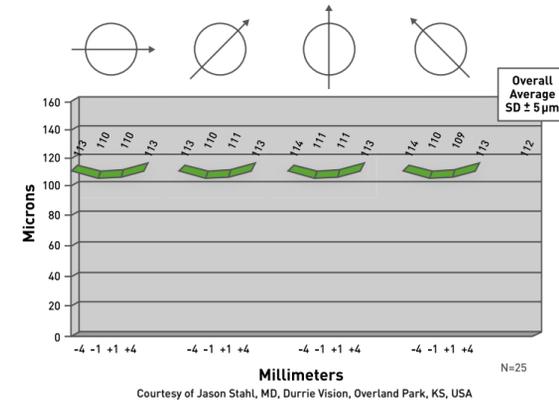


Thin, Uniform Flaps

The unique computer-controlled laser system enables surgeons to create thin, planar flaps with a uniform mean thickness of $112 \pm 5 \mu\text{m}$ and an average standard deviation of as little as $4 \mu\text{m}$ within each flap,⁴ maximizing residual bed and potentially producing a more stable post-LASIK cornea.

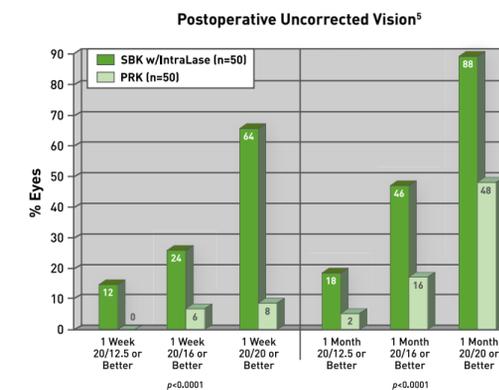
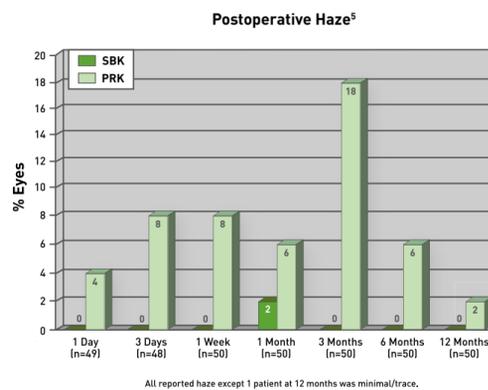


Average SBK Flap Thickness
Courtesy of Jason Stahl, MD, Durrie Vision, Overland Park, KS, USA



Faster Visual Recovery

- Through one week postop, 8 times more IntraLase™ eyes achieved 20/20 or better uncorrected vision compared to PRK eyes⁵
- Superiority continued at one month, where nearly twice as many IntraLase eyes achieved 20/20 or better uncorrected vision compared to PRK eyes⁵

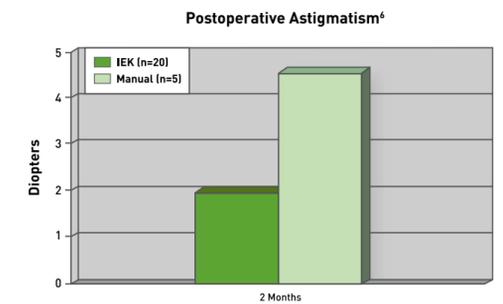
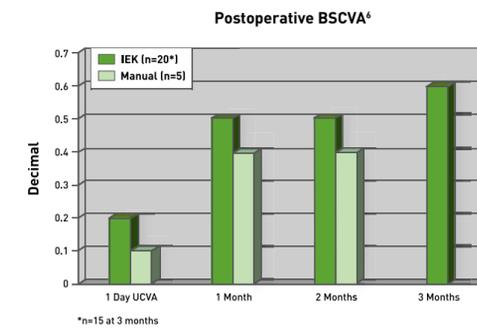


The Technology Driving Innovative Treatments IntraLase™ Enabled Keratoplasty

With IntraLase Enabled Keratoplasty (IEK), patients experience better functional vision, less astigmatism and less inflammation.

"This first prospective, comparative study clearly shows a significant advantage of the IntraLase FS laser approach vs. traditional manual, penetrating keratoplasty. The IntraLase enabled procedure creates a multiplanar edge which provides a hermetic seal, as the donor tissue is perfectly matched to the recipient tissue. The unique wound design requires less suture tension, which seems to contribute to less postoperative astigmatism. Less inflammation was observed on postoperative Day 1."

— Luciene Barbosa de Souza, MD
Hospital Oftalmologico de Sorocaba
Brazil



IntraLase Enabled Lamellar Keratoplasty (IELK)

IELK is a safe, effective and minimally invasive technique.

- In a retrospective study of 12 consecutive eyes with anterior corneal scarring, no intraoperative complications were found⁷
- The IntraLase FS laser empowers the surgeon to custom-design incisions for individualized Anterior Lamellar Keratoplasty (ALK)
- Precise fit between the donor tissue and the recipient cornea results in faster, better wound healing and enables sutureless ALK⁷

