



# The KAMRA Inlay

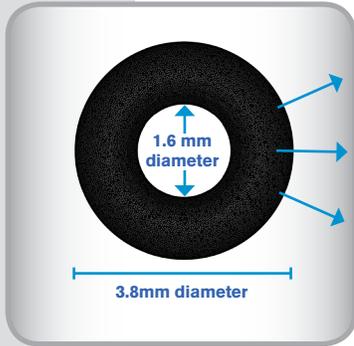
*Small Aperture Solution for Presbyopia*



## Setting the Standard in Presbyopia Correction

As the only presbyopia procedure utilizing small aperture optics, the KAMRA inlay offers the long-lasting performance solution you've been waiting to offer your presbyopic patients. With the KAMRA inlay you are giving your patients a:

- Safe, proven, sustainable near vision solution
- Complete uninterrupted range of vision
- Minimally invasive procedure
- Treatment that leaves the natural lens in place
- Lasting anti-aging vision treatment



Made from Polyvinylidene Fluoride (PVDF)

## Utilizing Small Aperture Optics

By applying the depth-of-focus principle commonly used in photography, the KAMRA inlay controls light transmission allowing only central rays to reach the retina through the fixed aperture.<sup>1,2</sup> Clinical results have confirmed that the central 1.6mm aperture is the optimal size for improving near vision and maintaining distance vision.<sup>3</sup>

### KAMRA PATIENT TYPES

- Ametropes
- Emmetropes
- Post-LASIK
- Monofocal Pseudophakes

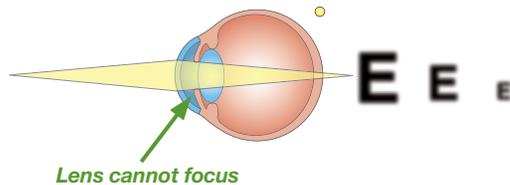
### TREATING A BROAD SPECTRUM OF PATIENTS

The inlay can be inserted on its own, in combination with other refractive procedures, or as an enhancement to prior cataract or refractive surgery.

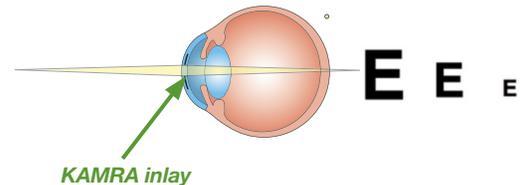
### HALTING THE PROGRESSION OF PRESBYOPIA

The KAMRA inlay is inserted unilaterally into the patient's non-dominant eye in a corneal pocket and is centered over the visual axis. Since the inlay works based on small aperture optics rather than change in refractive power, improved near vision results remain immune to the progression of presbyopia, offering patients a lifetime of benefits.

#### Before KAMRA



#### After KAMRA



**Presbyopic Eye:** In a presbyopic eye, the lens cannot focus light effectively on to the retina, resulting in an increased blur circle and reduced image quality.

**Eye with KAMRA inlay:** The inlay allows only the central light rays through the fixed aperture. This reduces the blur circle while increasing depth-of-focus. Near vision loss due to presbyopia is recovered.

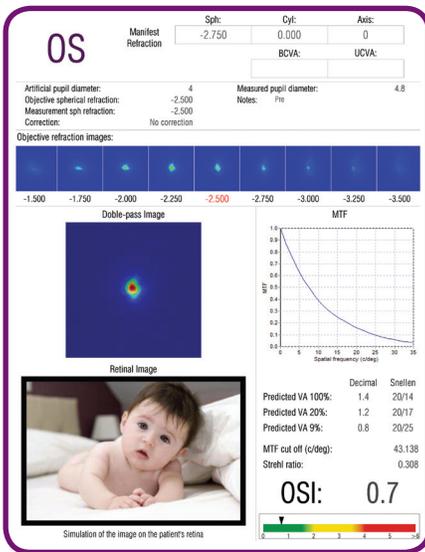
## Selecting the Ideal KAMRA™ Patient

The next generation AcuTarget HD™ is revolutionizing how surgeons select KAMRA patients, plan for surgical treatment and manage post-operative care by identifying factors that may impact visual outcomes. The AcuTarget HD accomplishes this by:

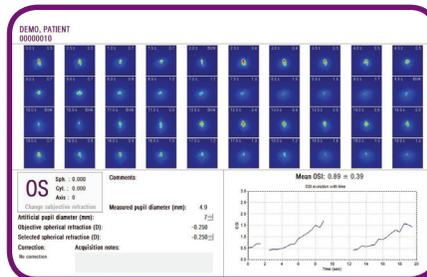
### ACUTARGET HD BENEFITS

- Evaluating the quality of vision, including objective scatter index (OSI), which is usually unaccounted for by wavefront aberrometers
- Assessing tear film quality over time
- Measuring pseudo accommodation to demonstrate depth-of-focus
- Identifying the exact inlay position relative to the 1st Purkinje reflex, pupil center, pupil boundary and limbus
- Supporting the management of patient care post-operatively

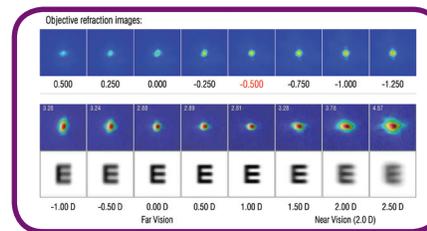
- Optimize visual outcomes
- Target the ideal patient
- Personalize patient education
- Increase conversion rate
- Identify precise inlay placement
- Reduce chair time
- Accelerate patient referrals



Objective Scatter Index (OSI)



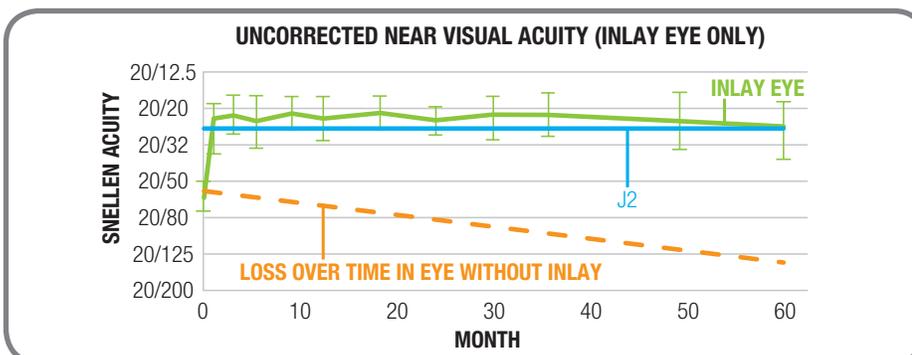
Tear Film Quality



Pseudo Accommodation

## Delivering Long-Term Performance

With over a decade of research and development, the KAMRA inlay has established a strong safety profile and long-lasting visual results. Results from a long-term study demonstrate patients achieve mean uncorrected visual acuity of 20/25 in their inlay implanted eye across all distances. This change represents an average gain of 3.2 lines of near acuity. After five years of follow-up, vision remained stable, with no need to exchange for a higher power.<sup>4</sup>





## Optimal Presbyopic Solution for Your Patients

- **High Safety Profile:** Improves surgeon confidence by providing the ability to remove the inlay, keeping patient's future options open<sup>5</sup>
- **Full Range of Vision:** Provides a complete uninterrupted range of vision<sup>3</sup>
- **Optimal Outcomes:** Achieves an average of J1-J2 at near, 20/25 at intermediate and 20/25 at distance acuity in clinical trial and commercial patients<sup>3</sup>
- **Advanced Design:** Harnesses useful light entering the eye and minimizes photopic phenomenon like glare and halos<sup>3</sup>
- **Minimally Invasive:** Treats presbyopia without removing tissue or entering the anterior chamber

### References

- 1) Yilmaz OF, Bayraktar S, Agea A, Yilmaz B, McDonald MB, van de Pol C. Intracorneal Inlay for the Surgical Correction of Presbyopia. J Cataract Refract Surg. 2008;34(11):1921-1927.
- 2) Seyeddain O, Riha W, Hohensinn M, Nix G, Dextl A, Grabner G. Refractive Surgical Correction of Presbyopia With the AcuFocus Small Aperture Corneal Inlay: Two-year Follow-up. J Refract Surg. 2010;26(XX)1-9.
- 3) Data on file at AcuFocus, Inc.
- 4) Data presented by Prof. Dr. Günther Grabner at the 2013 DOC in Nuremberg, Germany.
- 5) Yilmaz Ö, Alagöz N, Pekiç G, Azman E, Aksoy E, Çakir H, Bozkurt E, Demirok A. Intracorneal Inlay to Correct Presbyopia: Long-Term Results. J Cataract Refractive Surg. 2011;37(7):1275-1281.

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The KAMRA inlay is an investigational device in the United States. It is limited by United States federal law to investigational use. The KAMRA inlay may be covered by one or more of the following: U.S. Patents 7,404,637; 7,628,810; 7,976,577; D656,526; 8,287,592; 8,460,374; other U.S. and foreign patents pending. The AcuTarget HD™ was developed by Visiometrics in collaboration with AcuFocus. Visiometrics is an optical science company, based outside of Barcelona, Spain, and developers of the OQAS technology and HD Analyzer. The AcuTarget HD is distributed by AcuFocus, Inc. KAMRA, the KAMRA logo, *Small Aperture Solution for Presbyopia*, and *The Presbyopia Solution They've Been Waiting For* are trademarks of AcuFocus, Inc. © 2013 AcuFocus, Inc. All rights reserved.