

# THE KAMRA® INLAY EXTENDS THE DEPTH OF FOCUS – DEMONSTRATING THE PINHOLE EFFECT

- **Determine patient’s dominant eye.**

*Extend both hands in front of your body and place the hands together making a small triangle. **With both eyes open**, look through the triangle and center a small distant object or an isolated letter on the eye chart in the triangle. Close your left eye. If the object remains in view, you are right eye dominant. If closing your right eye keeps the object in view, you are left eye dominant.*



- **Determine patient’s current distance refractive error.**

*Ensure distance refractive error is corrected for prior to demonstration.*



**Opaque Occluder**      **Pinhole Occluder**

- **In trial frame, place opaque occluder in the dominant eye slot leaving non-dominant eye slot empty.**

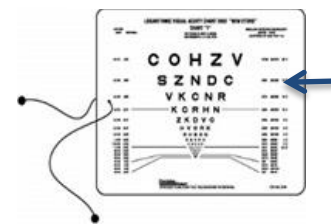
- **Have patient wear trial frame. With no additional reading correction over the non-dominant eye, ask them to read lowest line possible on the reading card. [i.e. 20/100]**

*This is the patient’s current reading ability with a limited depth of focus.*



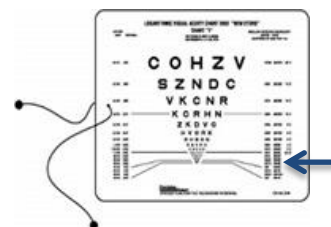
- **Next, place the single pinhole occluder in the non-dominant eye slot and ask the patient to read the lowest line possible on reading card by looking through the central pinhole aperture. [i.e. 20/20]**

*Patient should notice ability to read lower on reading card compared to previous step.*



- **Ask the patient to look at the distance eye chart to appreciate no significant loss of distance acuity.**

*Reassure the patient this demonstration will appear dimmer than the actual inlay since the trial frame and lenses are obstructing more light.*



- **To show the effect of having the KAMRA® inlay in conjunction with residual myopia of -0.75D, place a +0.75D trial lens in front of the non-dominant eye slot already with the pinhole occluder in place.**

*Patient should appreciate near vision gain since they are receiving the benefits of the pinhole extended depth of focus in addition to the added magnification.*

- **CONSIDERATIONS**

- ✓ If the patient’s uncorrected near vision is J1+ to J3 pre-operatively, they may not be the ideal KAMRA® patient – hold off trial frame demo.
- ✓ If the patient’s uncorrected near vision is J5 to J8 pre-operatively, proceed with trial frame demo using pinhole loose lens only.
- ✓ If the patient’s uncorrected near vision is J8 or worse pre-operatively, proceed with trial frame demo using pinhole loose lens as well as simulation of -0.75D myopia.

- **Finally demonstrate monovision to the patient as a point of comparison – leave dominant eye occluded and remove the pinhole lens from the non-dominant eye slot. Assuming patient is emmetropic, place a +1.50D or +1.75D trial lens in the non-dominant eye slot and allow the patient to read at near. Next have the patient look at the distance eye chart with the trial lens in place.**

*Patient should appreciate near vision gain; however, distance should be significantly blurred as compared to pinhole*

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*demonstration.*

ETDRS Letters	LogMAR	Snellen (Feet)	Snellen (Meters)	Decimal	Jaeger
0-2	1.00	20/200	6/60	0.10	J-14
3-7	0.90	20/160	6/48	0.13	J-13
8-12	0.80	20/125	6/38	0.16	J-12
13-17	0.70	20/100	6/30	0.20	J-10
18-22	0.60	20/80	6/24	0.25	J-9
23-27	0.50	20/63	6/19	0.32	J-8
28-32	0.40	20/50	6/15	0.40	J-6
33-37	0.30	20/40	6/12	0.50	J-5
38-42	0.20	20/32	6/9.5	0.63	J-3
43-47	0.10	20/25	6/7.5	0.80	J-2
48-52	0.00	20/20	6/6	1.00	J-1
53-57	-0.10	20/16	6/4.8	1.25	J-1+
58-62	-0.20	20/12.5	6/3.8	1.60	J-1+

[CROSS REFERENCE VIDEO DEMONSTRATION]