# Premium IOLs and the Light Adjustable Lens

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#### Presbyopia

≻What is it?

- Loss of accommodation as the crystalline lens hardens
- Begins to affect most people after age 40
- 25% of the world's population<sup>1</sup>
  > Near vision is *crucial* in modern society

 "Global Prevalence of Presbyopia and Vision Impairment from Uncorrected Presbyopia: Systematic Review, Meta analysis, and Modeling", Fricke et al., Ophthalmology 2018.

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**Problem Solved?** 

**TNSTAAFL!** 

There's no such thing as a free lunch!















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- > Many patients hate glasses
- Most dysphotopsias are well-tolerated
- > Patients who do well *LOVE* these lenses

> But... a small percentage do poorly

























## The Importance of Refraction

> The LDD will do what you tell it to do

> If the refraction is incorrect, results will be incorrect

> MUST be confident in the refraction before light treatment



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#### **Great LAL Candidates**

- > Post-refractive surgery: LASIK, PRK, and even some RK
- ≻ Highly demanding
- Pathology that contraindicates diffractive EDOF or MF IOLs
  Dry Eye, AMD, POAG, etc.
- > Glare/Halo/Dysphotopsia concerns

#### Not LAL Candidates

≻ Poor dilation

Dilation needs to be at least 5.5mm, ideally >6mm

>Astigmatism > 3D

Ideally < 2D</li>

> Highly aberrant corneas (e.g. keratoconus, some RK, scars, etc.)

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> Very Expensive

> Many post-op appointments (generally 4 to 6)

> Wearing UV glasses until lock-ins are complete

> No instant gratification

Vision doesn't "come in" until first adjustment

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### LAL and Near Vision

 $\succ$  With both eyes, ~90% of LAL patients are 20/20 and J21

 $\succ$  Need to tolerate some monovision to get near

About 80% of LAL patients choose "blended" vision

1. RxSight Combined PMCS-001 & PMCS-002 Clinical Outco

> May still need some reading glasses for small print

Those who want full range of vision with both eyes may do better with MFIOL



