

# Lens Implants with Extended Range of Focus

## TO REDUCE DEPENDENCE ON GLASSES

After cataract surgery, would you like to enjoy vision with less dependence on glasses for most everyday activities?



If so, you might consider lens implants with extended range of focus. They can help you drive, watch TV, use your cell phone and computer, look at photos, and read magazines, price tags, product labels, receipts and menus—without reliance on glasses.

### VISUAL FREEDOM

In cataract surgery, the eye's natural lens is removed. It is then replaced

with a high-tech lens implant. Several lens implant options are available:

- Single focus
- Extended range of focus

Unlike conventional single focus lens implants, lens implants with extended range of focus are designed to help people see at varying distances, providing a wider range of clear vision.

Single focus lens implants provide excellent vision. But they are not able to focus both near and far. Before surgery, doctors help patients choose one distance for best focus—either up close or far away.

A lens power is then selected to match this goal. Glasses are usually needed for clear vision at other distances.

But if you wish to function most of the time without glasses, a lens implant with extended range of focus may be a good option. They are designed to help you see near and far without glasses for most activities. These specially engineered lens implants offer freedom to enjoy an active lifestyle.

### HOW THEY WORK

Lens implants with extended range of focus provide clear vision over a large range of distances, instead of just a single point like conventional lens implants. Technology that makes this possible is similar to what is used in high performance camera lenses. Diffractive optics reduce chromatic aberration and bring light to an elongated range of focus, instead of just a single point. The result is high quality vision without glasses for most activities.



**CORRECTING ASTIGMATISM**

Many individuals have a focusing problem known as astigmatism. This is the result of the eye's surface being shaped like a football instead of round like a basketball. Astigmatism is usually corrected with glasses or contact lenses. But it can also be corrected with lens implants—including lens implants with extended range of focus. This special lens eliminates blurry and distorted vision caused by cataracts and astigmatism.

**NEED FOR GLASSES**

Lens implants with extended range of focus allow most people to function well without glasses most of the time. Glasses may occasionally be needed when print or an image is too small, too far away, or there is low light. While you may choose to wear glasses for long periods of reading, lens implants with extended range of focus should provide the freedom to look at your cell phone, read a menu, write a note and read price tags without corrective eyewear.

**BRIGHT LIGHTS AND HALOS**

Initially, some people may see a slight halo or glow around bright lights at night. But within a few months this is usually not noticed. Lens implants with extended range of focus have significantly less occurrence of halos and glare than previous lens designs.

**EXTRA COST**

Medical insurance usually covers the cost of cataract surgery with standard single focus lens implants. But lens implants with extended range of focus require extra tests, services and fees. These extra fees are not generally covered by insurance and must be paid out of pocket. If needed, a payment plan with 24-month 0% financing is available.

**YOUR DECISION**

Selecting lens implants with extended range of focus is a personal decision. A good place to start is to consider your lifestyle. How strong is your desire and motivation to reduce dependence on glasses? We cannot guarantee that your vision will be perfect. But lens implants with extended range of focus should allow you to function well without glasses for most activities. Our surgeons have performed hundreds of thousands of lens implant operations. So whichever lens you choose, you will be in excellent hands.

**FAMILY EYE DOCTOR**

Your family optometrist is familiar with your eyes and visual demands. With this knowledge, he or she can offer expert guidance to a lens implant that meets your goals. Your doctor can also provide important after surgery care.

**CANDIDATES**

If you are highly motivated to reduce dependence on glasses, an exam and several tests will indicate if your eyes are well suited for this lens implant.

**ADVANTAGES**

- High quality vision without glasses for most activities
- Good reading vision in most situations
- Good distance vision day and night
- A version of this lens implant can also correct astigmatism

**LIMITATIONS**

- A slight halo or glow around bright lights at night
- Very slight and usually unnoticeable decrease in contrast
- Reading glasses may be needed for long periods of reading or tasks in low light
- More exams and doctor visits are required
- Extra services involve additional costs

**QUESTIONS**

If you have questions about lens implants with extended range of focus, call our surgery counselors or talk with your optometric physician.

*Pacific Cataract and Laser Institute*  
www.pcli.com

**800-224-7254**  
**800-557-7254** In Alaska



Scan to watch our video on lens implants with extended range of focus. Or visit the lens implant options section of our video library at pcli.com