



## **Lucent Vision Introduces Comprehensive Guide on Multifocal Lenses for Cataract Surgery Patients**

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Lucent Vision, a leader in innovative eye care solutions, is proud to announce the release of an informative article titled "What are Multifocal Lenses?" This comprehensive guide aims to educate both the general public and healthcare professionals on the advantages and functionalities of multifocal lenses used in cataract surgery. As the prevalence of cataracts continues to rise globally, the demand for effective and advanced treatment options has never been higher. Multifocal lenses represent a significant advancement in the field of ophthalmology, offering patients an opportunity to regain clear vision at multiple distances without the dependency on bifocals, progressive lenses, or eyeglasses. The article can be found on the Lucent Vision website here: <https://lucentvision2020.com/cataract-surgery/what-are-multifocal-lenses/>

The article explains in detail how multifocal lenses work, emphasizing their unique design and the way they improve visual perception. Multifocal lenses are intraocular lenses implanted during cataract surgery, designed with a concentric ring structure that splits light rays entering the eye from various distances. This innovative design allows the retina to process light from near, intermediate, and distant points, providing excellent visual acuity across all ranges. This breakthrough technology is particularly beneficial for patients who have relied on corrective lenses for daily activities such as reading, computer work, and driving.

Lucent Vision's article also delves into the different types of multifocal lenses available, highlighting the distinctive benefits of each. For instance, trifocal lenses divide light rays into different channels to maximize freedom from eyeglasses and contact lenses. Extended-depth-of-focus (EDOF) lenses, another variety, bend light rays rather than splitting them, offering superior distance and intermediate vision while minimizing dependence on glasses. Importantly, all multifocal lenses discussed in the article also provide astigmatism correction, ensuring a comprehensive vision correction solution tailored to each patient's lifestyle and visual demands.

Potential patients and reporters will find the section on candidacy for multifocal lenses particularly enlightening. The article outlines the conditions that make someone an ideal candidate for this type of lens, including those suffering from cataracts, presbyopia, astigmatism, farsightedness, or nearsightedness. For individuals already using multifocal contact lenses or progressive lenses, the transition to multifocal lens implantation can offer significant benefits, including the reduction or elimination of reliance on spectacles or contacts. Moreover, even those without cataracts but who require vision devices for daily tasks may find multifocal lenses advantageous, potentially preventing the future development of cataracts through a procedure known as refractive lens exchange.

Addressing common concerns, the article discusses the potential side effects and disadvantages of multifocal lenses, such as the possibility of experiencing halos around lights in dim conditions. However, it reassures readers that these symptoms generally diminish within the first six months as the eyes adapt to the new lens technology. The piece also compares multifocal lenses to single vision lenses (monofocals), noting that while monofocals typically do not cause night vision disturbances, they do require the use of reading glasses for up-close tasks.

The adjustment period for multifocal lenses is another key topic covered. Patients typically notice an improvement in their vision within 24 hours of implantation, with full adaptation occurring over six to twelve months. By then, most patients enjoy clear vision at all distances, although some may still keep a pair of reading glasses for fine print. This rapid improvement and long-term satisfaction underscore the transformative impact of multifocal lenses on patients' quality of life.

Lucent Vision also addresses the suitability of multifocal lenses for various patients. Active individuals and those suffering from presbyopia will particularly appreciate the ability to read without glasses. However, the article cautions that patients with a history of ophthalmic diseases such as strabismus, glaucoma, macular degeneration, or severe dry eye may not be suitable candidates. It also advises patients wearing rigid gas permeable or soft contact lenses to pause usage before evaluation to ensure accurate diagnostic imaging.

The cost of multifocal lenses compared to single-vision lenses is another important aspect covered in the

article. While multifocal lenses are typically not covered by Medicare or private insurance, requiring an out-of-pocket upgrade fee, the investment includes not just the lens itself but also the surgeon's expertise and comprehensive surgical planning. This planning is crucial for the successful implantation and long-term performance of the lens, with precise centration and astigmatism correction playing vital roles. The cost varies depending on the surgeon and geographic region, but the benefits of improved vision and reduced dependence on glasses make multifocal lenses a valuable option for many patients.

Lucent Vision invites reporters and potential patients to explore this detailed guide on multifocal lenses, which offers a thorough understanding of how these lenses can revolutionize vision correction following cataract surgery.

Lucent Vision remains committed to advancing eye care and providing patients with the latest, most effective solutions for their vision needs. This article on multifocal lenses is part of that ongoing commitment, offering valuable information that can help patients make informed decisions about their eye health.

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## **Lucent Vision**

*Lucent Vision offers LASIK in Long Beach, CA. Dr. Nimesh Pathak also offers Refractive Lens Exchange (RLE), Custom Lens Replacement (CLR), Refractive Cataract Surgery, and treatment for Glaucoma, Keratoconus, and Pterygium.*

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