

## **Emory Eye Center Among First to Offer New Multi-focal IOL For Cataract Patients Freedom from Glasses a Plus**

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(ATLANTA) Emory Eye Center is now offering a newly FDA-approved intraocular lens ((IOL) for cataract patients. The lens provides them with a new option for post-surgery vision correction-that of freedom from glasses. The lens provides near, intermediate and far vision capabilities.

Alcon Corporation's new AcrySof® ReSTOR Apodized Diffractive IOL provides those with or without presbyopia a quality range of vision. Presbyopia ("old age vision") is a refractive condition with a diminished power of accommodation due to a loss of elasticity of the crystalline lens. Typically, those over 40 have this condition.

The new lens allows those patients freedom from glasses following their IOL implant(s). Older IOLs, typically implanted after cataract removal, normally require patients to use reading glasses or bifocals for near vision. In clinical trials with patients who have bilateral cataract removal, 80% of them used no glasses following their surgery.

The ReSTOR lens is a foldable IOL that replaces the diseased cataract lens. The complementary technologies of apodization, diffraction and refraction allow patients to experience a full-range of vision without the need for glasses.

"This device is an exciting opportunity for patients and physicians," says J. Bradley Randleman, MD, a cornea specialist at Emory Eye Center. We now have a lens option that may provide high-quality distance and near vision for our cataract patients, and significantly reduce their dependence on glasses for their everyday lives," he says.

### **Background:**

#### **About AcrySof® ReSTOR® IOL**

AcrySof® ReSTOR® IOL, the first and only apodized diffractive IOL for cataract patients with and without presbyopia, uses a unique, patented apodized diffractive technology to provide patients with a full range of quality vision (near, intermediate and distance), and greatly reduce their reliance on glasses. This optic design results in an increased range of quality vision that delivers a high level of spectacle freedom.

Apodization improves image quality by optimizing light energy delivered to the retina by distributing the appropriate amounts of light to near and distant focal points, regardless of lighting situation. This new IOL is particularly well-suited for patients who wish to reduce their dependency on reading glasses and bifocals once their cataractous lens is removed. The AcrySof® ReSTOR® IOL is based on the AcrySof® design and material platform. AcrySof® lenses are the fastest growing and most frequently implanted lenses in the world, with more than 22 million implants since their introduction in the early 1990s. There are approximately three million cataract surgeries performed annually in the United States.

### **About Cataracts**

A cataract is a "clouding" of the eye's natural lens, which results in blurred or defocused vision. According to a recent article published in the *Archives of Ophthalmology*, more than 20 million adults in the U.S. have developed cataracts making it the number one cause of poor vision in the United States. While not all cataracts require surgery, nearly three million cataract procedures are performed annually in the U.S. Cataracts cannot be prevented and are the leading cause of treatable blindness worldwide. According to the National Eye Institute, the number of Americans with cataracts is expected to increase to over 30 million people by the year 2020.

[http://www.emoryhealthcare.org/departments/laser\\_vision](http://www.emoryhealthcare.org/departments/laser_vision)

<http://eyecenter.emory.edu>