



eye center
of NEW YORK

**VISUAL
FREEDOM**

Premium Refractive Custom Cataract Surgery

You have a decision to make

Modern cataract surgery can be thought of as lens replacement surgery. The eye's natural, aged, and cloudy lens (called a cataract) is removed and replaced with a new crystal-clear, man-made lens implant. The new implant restores the clarity of the optical system and results in improved vision. In the past, basic, single-focus implants (monofocal) required full time glasses or bifocals/progressives afterwards. We now offer more technologically advanced, customized, full-focus lens implant options and other refractive technologies that allow for enhanced quality of vision and more independence from glasses at some or all distances, permanently. Medicare and other private Insurance companies do not fully cover these premium refractive services, requiring the patient to pay out-of-pocket. These are your only eyes and the choice of customized solution can have lifelong benefits.

We divide vision into three zones:



DISTANCE VISION
(Watching TV, Driving)



INTERMEDIATE VISION
(Using Computer, Cooking)



NEAR VISION
(Reading, Up Close Work)



Types of **Lens Implants**



Standard Monofocal Lens

A single focus lens Implant

The traditional and basic monofocal lens implant is a single-focus lens. This fixed-in-place lens implant allows the eye to focus in one of the three zones, typically distance (but near is an option). Glasses or bifocals are then used to treat astigmatism and bring the other zones into focus.



Multifocal/Trifocal Lens

Such as the PanOptix & Tecnis Synergy

In the last decade, the FDA has approved new multi-focal lens implants for presbyopia. These lens implants, made of the same material as the standard single-focus implants, have been designed with a built-in bi- or trifocal, allowing the eye to focus at distance, intermediate, and near -- this greatly minimizes the need for glasses after cataract surgery. Due to the way these lenses split light, some patients report seeing small circles around lights at night. This side-effect is not bothersome to most and usually fades with time. The PanOptix is a sixth generation implant that is very well tolerated, as long as one is a candidate.



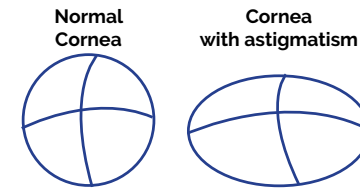
Extended Depth of Focus Lens *Such as Tecnis Symfony and Alcon Vivity*

This lens technology, made of the same material as our monofocal, enables clear distance and intermediate vision and enhanced near. The optics of this lens extend the depth of focus and allow most patients to only require weak reading glasses for small print. Tablets and computers can typically be used without glasses. Night time symptoms of light scatter around streetlamps are minimal with this lens, though sometimes noticeable. The Symfony is great for post LASIK eyes, as well as eyes with other mild conditions that could disqualify them from a trifocal.

Dr. Raviv will evaluate your eyes and see if you are a candidate for any of the advanced premium refractive package options. We utilize the most advanced diagnostic imaging and measurement for refractive cataract surgery. Choosing the right intra ocular lens (IOL) is not an exact science but part of the 'Art of Medicine'. If you are eligible, Dr. Raviv will recommend the refractive package (and IOL) that would best match your eyes and needs.

Cataracts and Astigmatism

Astigmatism is a common condition of the eye that can cause blurry vision unless it is corrected with glasses or contact lenses. Think of it as your eye bending light like an oval instead of a sphere. Until recently, glasses would be prescribed after cataract surgery to correct any pre-existing astigmatism. Now, we can manage astigmatism at the time of cataract surgery with femtosecond laser and/or a premium Toric lens implant. By minimizing pre-existing astigmatism, patients can achieve excellent vision (usually for distance, but can be for near, or both with the Symphony IOL below) with significantly less dependence on glasses. If you have astigmatism at the time of cataract surgery, you can choose to optimize your visual outcome with the Refractive Custom Cataract for Single Focus Vision. Dr. Raviv will recommend either a toric IOL to treat higher levels of astigmatism or femtosecond Laser corneal relaxing incisions for lower levels of astigmatism during cataract surgery.



Femtosecond Laser Cataract Surgery

Dr. Raviv was one of the first surgeons in Manhattan to perform this computer guided laser assisted cataract surgery – which represents the most precise cataract surgery available today globally. The laser can achieve many of the steps of traditional cataract surgery with extreme precision and is also simultaneously used to treat low levels of astigmatism. The laser has been shown to reduce the amount of energy needed to remove a cataract.

The femtosecond laser treatment is not covered by insurance, but is typically included with all the premium refractive packages for the highest level of precision and automation available in the world today.



ORA Smart Surgery Guidance

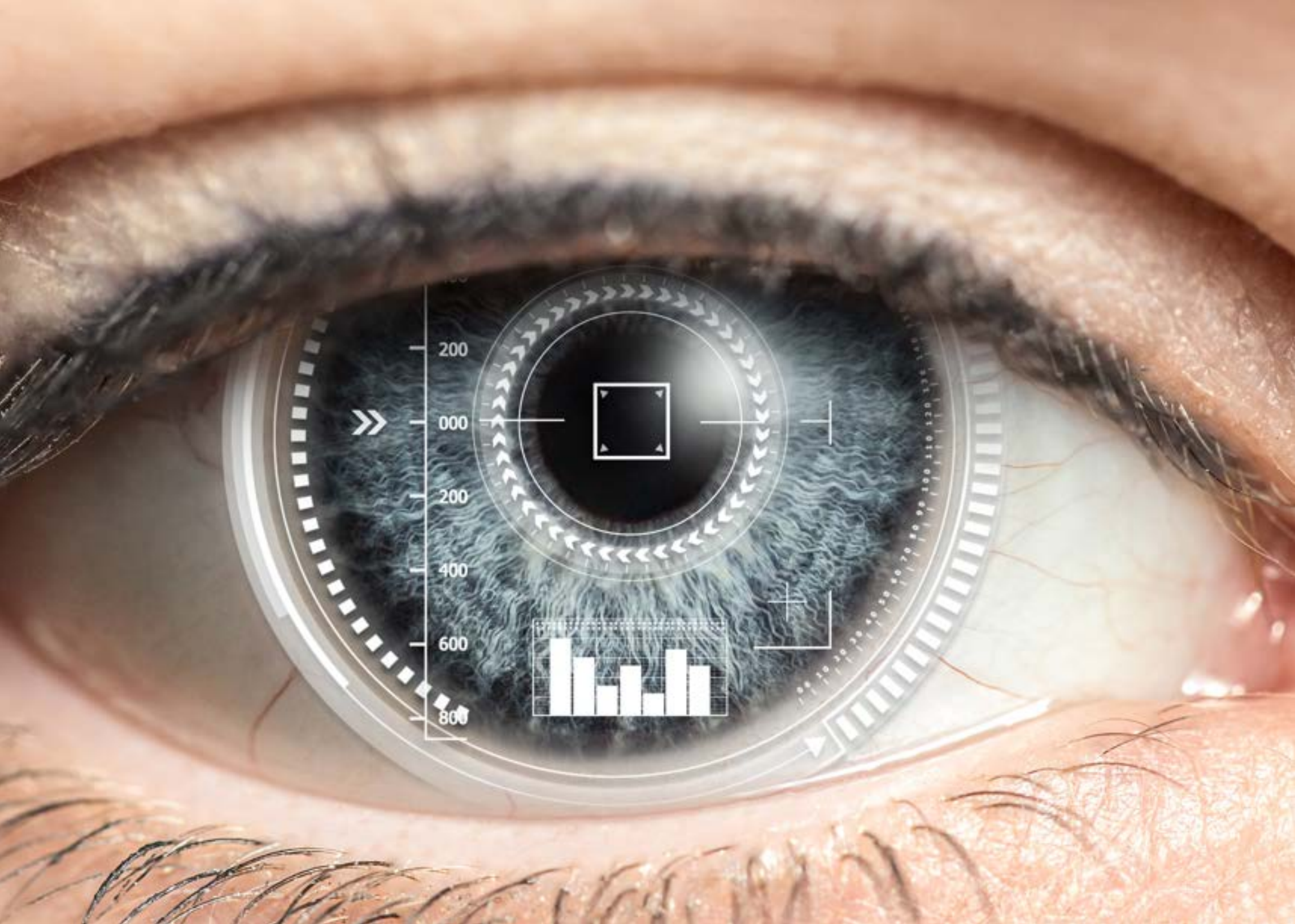
Dr. Raviv helped bring this revolutionary device to Manhattan. This sophisticated intra-operative measuring and guidance technology allows for never-before-seen levels of precision in optimizing lens power selection during cataract surgery. It is akin to using a real-time GPS versus a static map.

It is bundled and utilized whenever necessary with all the premium IOL refractive packages. Dr. Raviv mandates it for all post LASIK (or PRK) patients, as well as very farsighted or nearsighted eyes.



At the time of your office visit, Dr. Raviv will recommend the technology package that's right for you based on your current situation, visual desires and preferences.





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200
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“ To maximize, restore, and rejuvenate vision utilizing breakthrough technologies while abiding by the highest ethical and safety standards.”



Tal Raviv, MD, FACS

Founder and Medical Director, Eye Center of NY
Cataract and Refractive Surgery

Tal Raviv, MD, FACS is an experienced and recognized ophthalmologist, cataract and refractive surgeon, national thought leader, and teacher. As founder and medical director of the Eye Center of New York, Dr. Raviv offers state-of-the-art technologies in laser refractive cataract surgery, advanced lens implants, and bladeless LASIK. Dr. Raviv was one of the first doctors in New York to use the Femtosecond laser for the highest precision in cataract surgery. He frequently contributes to local news broadcasts about the latest medical innovations.

Dr. Raviv is a highly regarded cataract and refractive surgeon. He serves on the editorial boards of two industry trade magazines, has served on the programming committees of regional and national meetings, lectures internationally on emerging cataract and refractive surgery technologies, consults for the latest ophthalmology technology companies, and is clinical associate professor of Ophthalmology at New York Eye and Ear Infirmary of Mount Sinai where he teaches residents.





Dr. Raviv has completed over 10,000 cataract surgeries, personally performing 100% of each procedure.

PROFESSIONAL ACHIEVEMENTS:

- ✔ Invited lecturer at many national and international conferences on topics of complex cataract surgery techniques & and refractive surgery. Has been featured in *NYTimes*, *AARP magazine*, *NBC4News*, *NY1* and *Fox News*.
- ✔ Serves on Editorial Boards of nationally read, industry journals: *Cataract and Refractive Surgery Today*, *EyeWorld* and *Millennial Eye*.
- ✔ Contributes extensively to the medical literature including numerous articles, book chapters, videos, abstracts and papers.
- ✔ As Clinical Associate Professor of Ophthalmology at New York Eye and Ear Infirmary and Mount Sinai, Dr. Raviv teaches and supervises the cornea clinic with the ophthalmology residents.
- ✔ Member of the American Academy of Ophthalmology, American Society of Cataract and Refractive Surgery, Past President of prestigious New York IOL Implant Society, Founding Member of American-European Congress of Ophthalmic Surgery, Founding Member of Cornea, External Disease and Refractive Society (CEDARS-ASPENS)

EXPERTISE AND SPECIALIZATION:

- ✔ Dr. Raviv is a fellowship trained cornea, cataract and refractive surgeon with over 20 years' experience.
- ✔ He employs the most advanced, minimally invasive, cataract surgery techniques using topical anesthesia for surgery with: no stitch, no injection, no patch and no physical restrictions afterwards. Dr. Raviv also specializes in high risk and complex cataract surgery, and commonly accepts referral from other ophthalmologists.
- ✔ Dr. Raviv was one of the first NYC surgeons to use femtosecond laser cataract surgery as well as ORA laser-guided intraoperative refraction for the most precise cataract outcomes available anywhere.
- ✔ Dr. Raviv has extensive LASIK experience utilizing all-laser LASIK and the latest CUSTOM WAVEFRONT technologies.
- ✔ Dr. Raviv has been honored as **SUPERDOCTOR, Castle Connolly Top Doctor, America's Best Physicians & Patient Choice Award**

EDUCATION:

- ✔ Graduated magna cum laude at **Brown University**
- ✔ Graduated top percentile from **Brown Medical School**
- ✔ Completed Ophthalmology Residency at the top ranked **New York Eye and Ear Infirmary of Mount Sinai**
- ✔ Fellowship trained in Cornea and Refractive Surgery at **RUSH** Medical Center in Chicago





THE EXPERIENCE

We care about your overall experience. Cataract surgery can be transformational, and we strive to make your short journey from initial consultation through surgery and postop – easy, friendly, personalized, and timely. We believe in price transparency and strive to simplify the complexities of insurance billing. When you entrust your cataract surgery to us, we hope you experience the VIP treatment that you deserve.

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WORLD CLASS CARE

We are proud to have earned a reputation of world-class care in cataract surgery. A surgeon's surgeon, Dr. Raviv frequently is called on to operate on fellow ophthalmologists, surgeons and other physicians. We proudly host international ophthalmologists for surgical observerships and industry leaders commonly visit our advanced clinic.

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TESTIMONIALS

Our former patients are our greatest ambassadors. We encourage prospective patients to read our real-time testimonials on the web or on www.EyeCenterofNY.com. We'd be happy to connect you to a patient with a similar complex condition to yours or one that chose a specific implant lens type prior to your surgery.



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