What are IOLs?
Choosing to have cataract surgery is an important decision. But equally important is talking with your doctor and deciding which type of intraocular lens (IOL) is the best choice to correct your own unique vision condition(s), including cataracts, presbyopia, and astigmatism.
IOLs are very small, highly advanced medical devices designed to mimic the function of your eye’s natural lens. Generally speaking, today’s cataract replacement IOL designs fall into three basic categories:

**Standard Monofocal** — Typically designed to provide clear distance vision

**Premium Multifocal** — Specifically designed to correct presbyopia and provide good vision at near, intermediate, and far distances

**Premium Toric** — Specifically designed to correct astigmatism and provide clear distance vision

No single IOL is right for everyone. Your doctor will be happy to discuss, in detail, the specific advantages and disadvantages of each lens type, and help you decide which IOL is best suited to providing you with a lifetime of better vision.

Common vision conditions in perspective.

**Cataracts**
- Affect over 22 million Americans (age 40 or older)\(^1\)
- Are present in 90% of Americans 65 and older\(^2\)
- Are the leading cause of visual loss in those over 55

**Presbyopia**
- Affects over 122 million Americans to some degree\(^3\)
- Affects more than one billion people worldwide\(^4\)
- Is present in virtually everyone over 50 years old

**Astigmatism**
- Affects about 33% of the U.S. population to some degree\(^5\)
- Typically accompanies nearsightedness or farsightedness
- Is more common in women

To learn more about cataract surgery, IOL options, and to view important safety information, visit [www.MyCataractSolution.com](http://www.MyCataractSolution.com)

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What is presbyopia?

Presbyopia is a Greek word that means “aging eyes” or “old eyes.” Medically, it describes the eye’s inability to focus clearly on nearby objects due to the gradual stiffening and growing inflexibility of the lens. It’s also a natural and often annoying part of aging that most people begin to notice in their mid-40s and usually continues to worsen until one’s mid-60s. This natural loss of elasticity and focus is especially noticeable during close-up activities, like reading or computer work, because the eye’s “default” focus (at rest) is on distance objects. In the image below, while objects at a distance, such as road signs and traffic, are clear, near vision is compromised, and the coffee cup and dashboard are blurry.

Can a single IOL correct both cataracts and presbyopia?

If you’re having cataract surgery, suffer from presbyopia, and also want to avoid the lifestyle compromises of glasses and/or contacts, your doctor may recommend a premium multifocal IOL. This type of advanced IOL will address both your cataract and presbyopia, provide you with high-quality vision at near, intermediate, and far distances, and typically lessen your dependence on glasses.
Picture yourself with a future that looks clear and bright

Advanced medical technology has given us a much clearer understanding of common vision conditions and remarkable new opportunities to correct them.

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In a healthy eye:

- Light enters through the cornea, passes through your natural lens, and is sharply focused onto your retina, yielding a clear image.

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In an eye with cataracts:

- Proteins in your natural lens begin to cluster together with age. Over time, these clusters become clouded, discolored cataracts which scatter the light rays passing through the eye, resulting in a dull, blurry image.

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In an eye with presbyopia:

- Your natural lens begins to harden and, over time, becomes less flexible, reducing your eye’s ability to switch between seeing objects at a distance and up close. This often results in the need for reading glasses or bifocals.

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In an eye with astigmatism:

- Your cornea is shaped more like a football instead of a basketball (the shape of a healthy eye). When light passes through your oblong-shaped cornea, the image can’t focus sharply on the retina, causing blurred vision.

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How cataract surgery is performed:

- **Cataract Lens Removal**
  - Your surgeon will make a small incision in your eye and use a special probe to remove your natural lens clouded by cataracts.

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New Lens Insertion:

- Using the same small incision, your surgeon will precisely replace your cloudy lens with a new intracocular lens (IOL) implant.

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Monofocal lens option:

- A standard monofocal IOL, such as the advanced TECNIS® Monofocal IOL, is designed to replace your natural lens and provide you with high-quality distance vision. You will still need glasses for viewing objects up close.

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Multifocal lens option:

- A premium multifocal IOL, such as the versatile TECNIS® Multifocal IOL, is designed to provide you with high-quality vision at any distance—near, intermediate, and far—and in all lighting conditions. Since it also corrects presbyopia, your dependence on glasses will typically be diminished.

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Toric lens option:

- Astigmatic patients typically need additional correction beyond what a standard monofocal IOL provides in order to see images in focus. A premium toric IOL, such as the innovative TECNIS® Toric IOL, not only corrects your astigmatism, but is also specifically designed to provide you with high-quality distance vision. You may still need glasses for near vision.

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Pre- and post-cataract surgery: What to expect

- Typically, before and/or after your surgery, your doctor will prescribe special eye drops to help deal with possible infection and swelling. Immediately prior to surgery, you’ll also be given an anesthetic to numb nerves in and surrounding your eye. Within a few hours after surgery, most patients experience improved vision. Some patients continue to experience improving vision over several days or weeks.

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