This chart is intended to be an aid for educating patients on eye conditions and cataract surgery options.
CATARACTS & PRESBYOPIA

THE HEALTHY EYE
Let’s take a look at how a healthy eye compares to an eye with cataracts and presbyopia:

• As you can see, the healthy human eye can focus sharply on near objects, things far away, and everything in between
• Healthy eyes move easily from one focal zone to another

THE EFFECTS OF CATARACTS AND PRESBYOPIA
Cataracts and presbyopia are two common eye conditions that affect older people.

• The lower image shows a cataract. Compare it to the clear, healthy lens in the image at the top
  – With cataracts, the natural lens inside the eye becomes discolored and clouded, resulting in hazy or blurred vision at all distances
  – Presbyopia is when the lens hardens and becomes less flexible so it becomes difficult to see objects in the distance and up close without glasses
THE HEALTHY EYE

Distance object
Near object
Intermediate object
Crystalline lens

THE EFFECTS OF CATARACTS AND PRESBYOPIA

Distance object
Near object
Intermediate object
Cataract
Cataract surgery is performed over 15 million times worldwide every year.

- The cataract is removed through a process called phacoemulsification or “phaco” in which the cataract is broken up using ultrasonic waves.
- An intraocular lens implant is then placed in your eye.
- This procedure takes only about 15 to 30 minutes.
- You may be eligible for different types of intraocular lens implants. The following simulated images are designed to educate you on your implant options.
CATARACT SURGERY
**VISION WITH THE TECNIS® MULTIFOCAL LENS**

**SIMULATED VISION WITH CATARACTS AND PRESBYOPIA**

When you have presbyopia, your eyes lack the ability to switch focus from near, far, in between, and back again. Cataracts cause vision to become blurry or dark and colors to become muted.

- Presbyopia causes near vision to become blurred, as shown by the coffee cup in the foreground

**SIMULATED VISION WITH THE TECNIS® MULTIFOCAL LENS**

Notice how with the TECNIS® Multifocal Lens, everything in the scene is clear and in focus.

- The TECNIS® Multifocal Lens lets you see everything—near, far, and everything in between
- The TECNIS® Multifocal Lens can provide clear, sharp vision for reading, using a computer, cooking, driving—just about all your activities

**TECNIS** Multifocal intraocular lenses are indicated for primary implantation for the visual correction of aphakia in adult patients with and without presbyopia in whom a cataractous lens has been removed by phacoemulsification and who desire near, intermediate, and distance vision with increased spectacle independence. The intraocular lenses are intended to be placed in the capsular bag.
SIMULATED VISION WITH CATARACTS AND PRESBYOPIA

SIMULATED VISION WITH THE TECNIS® MULTIFOCAL LENS*

The TECNIS® Multifocal Lens allows you to see near, far and everything in between

*Artistic rendering of vision that may be possible with the TECNIS® Multifocal IOL
**HOW THE TECNIS® MULTIFOCAL LENS WORKS**

**TRADITIONAL MONOFOCAL LENS**

Let’s look at how the TECNIS® Multifocal Lens is different from a monofocal lens. On the left, you can see how a monofocal lens gives you a single distant focal point.

- Monofocal lenses provide high-quality vision to see things far away
- However, these lenses do not correct presbyopia
- For this reason, you may still need glasses for near tasks such as reading

**TECNIS® MULTIFOCAL LENS**

The graphic on the right shows you how the TECNIS® Multifocal Lens provides multiple focal points to help you see near, far, and everything in between.

The term multifocal means that the lens provides multiple focal points so you can see well at a range of distances and have the opportunity for greater independence from glasses or contact lenses.

While the TECNIS® Multifocal IOL retains high-quality vision in all lighting conditions, a multifocal lens may reduce sharpness of vision under poor visibility conditions such as dim light or fog as compared to a monofocal lens.
TRADITIONAL MONOFOCAL LENS

One Distance Focal Point

TECNIS® MULTIFOCAL LENS

See Near, Far, and Everything in Between—Day & Night.

- Patented optics and materials provide high-quality vision at all distances, under any lighting condition
- Designed to balance the cornea and the lens
NIGHT VISION WITH THE TECNIS® MULTIFOCAL LENS

SIMULATED VISION WITH THE TECNIS® MULTIFOCAL LENS AT NIGHT

Designed to give you back younger vision, the TECNIS® Multifocal Lens can provide you with high-quality vision at any distance, and in all lighting conditions—even in dim light.

• Notice how everything in the scene is in focus, from the coffee cup to the buildings far away
• A glow or halo can appear around lights at night with multifocal lenses
• This effect usually diminishes over time
• For most people, the ability to see everything at all distances far outweighs any inconvenience they may experience from the halos
SIMULATED VISION WITH THE TECNIS® MULTIFOCAL LENS AT NIGHT†

See important safety information on next page

†Artistic rendering of vision that may be possible with the TECNIS® Multifocal IOL.
It is essential that you are aware of the important safety information regarding this surgical procedure.
TECNIS® MULTIFOCAL IOL PROVIDES 9 OUT OF 10 PATIENTS WITH FREEDOM FROM GLASSES.¹

IMPORTANT SAFETY INFORMATION

Indication: TECNIS® Multifocal intraocular lenses are indicated for primary implantation for the visual correction of aphakia in adult patients with and without presbyopia in whom a cataractous lens has been removed by phacoemulsification and who desire near, intermediate, and distance vision with increased spectacle independence. The intraocular lenses are intended to be placed in the capsular bag.

Risks: As with many things, there may be a trade-off. If you decide to have a multifocal lens, your use of glasses may decrease, but at the cost of losing some of the sharpness of your vision. Even with glasses, this loss of sharpness may become worse under poor visibility conditions such as dim lighting or fog. There may also be some visual side effects, such as halos and glare from lights at night, that are more common than with a monofocal IOL. Halos are rings of light that you may notice when looking directly at a source of light, such as oncoming car headlights. Glare is a scattered light effect that can appear around a source of light.

General risks with cataract surgery and IOL implantation: Whatever your lens choice, there are risks and possible complications of cataract surgery and lens implantation. Complications could be minor or temporary, or could permanently affect your vision. Complications are rare and may include the worsening of your vision, bleeding, or infection. Contact your eye doctor right away if you have any of the following symptoms after surgery: itching, pain, flashing lights, “floaters,” a “curtain” in your vision, redness, severe headache, nausea/vomiting, sensitivity to light, or watery eye.

PLEASE NOTE: Warnings and precautions accompany all IOLs because they are prescription-only medical devices. The following warnings and precautions apply to all multifocal IOLs.

Warnings: A very small number of patients (less than 1% in U.S. clinical studies) may be dissatisfied and request removal of their multifocal IOL. Under poor visibility conditions, your vision may be reduced more than it would be with a monofocal IOL. Under these conditions, you may have more difficulty recognizing some traffic signs and hard-to-see objects in the road. Therefore, you may need to take extra care when driving, especially in poor light conditions. In rare instances, multifocal IOLs may make some types of retinal surgery more difficult.

Precautions: If your eye is not healthy (including glaucoma), your vision may not be good even after your cataract is removed. In this case, you may not get the full benefit of the multifocal IOL. Before surgery, your eye doctor will check to see if you have any eye diseases. Be sure to tell your eye doctor if you have any health conditions that may affect your surgery or vision, and provide an updated list of medications to the doctor. There is a chance that your vision with a multifocal IOL may not be good enough to perform very near or detailed “up-close” work without glasses. The TECNIS® Multifocal IOL is designed for near vision at approximately 13 inches. Take all prescribed medicines and apply eye drops as instructed. You should avoid any activity that could harm your eye while you are recovering from surgery. Before and after the surgery, your eye doctor will tell you about activity restrictions. If you wear contact lenses, your eye doctor may ask you to discontinue wearing your lenses prior to being evaluated for the multifocal IOL. There were no patients 21 years old or younger included in the clinical study. As a result, there are insufficient data to support safety and effectiveness of this IOL in this age group.

Adverse events: The most frequently reported adverse event that occurred during the clinical trial of the TECNIS® Multifocal lens was macular edema, which occurred at a rate of 2.6%. Other reported reactions occurring in 0.3%–1.2% of patients were inflammation of the eye and secondary surgical intervention (including biometry error, retinal repair, iris prolapse/wound repair, trabeculectomy, lens repositioning, and patient dissatisfaction).

For additional information, visit www.TECNISMultifocal.com

¹ TECNIS Multifocal Foldable Acrylic Intraocular Lens [package insert]. Santa Ana, Calif: Abbott Medical Optics Inc.

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