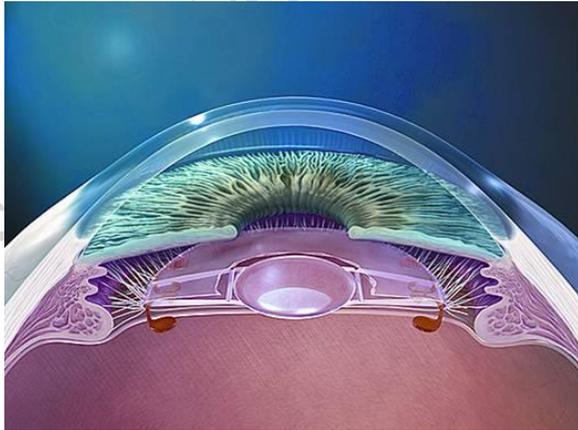


IOLs



Intraocular lenses (IOLs) are medical devices that are implanted inside the eye to replace the eye's natural lens when it is removed during cataract surgery. IOLs also are used for a type of vision correction surgery called refractive lens exchange.

Before the 1980s the use of intraocular lenses, if you had cataracts removed, you had to wear very thick eyeglasses or special

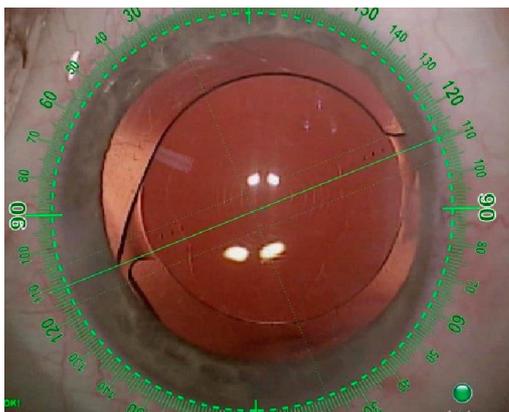
contact lenses in order to see after cataract surgery, since no device was implanted in the eye to replace the focusing power of the natural lens.

Today there is a wide variety of premium IOLs to choose from. The best intraocular lens for you depends on many factors, including your lifestyle and your specific visual needs.

These are considered "premium" intraocular lenses because they have advanced features beyond those found in basic single vision IOLs.

During your preoperative exam and consultation, Dr Mustafa can help you choose the best IOL for your needs.

Toric IOLs



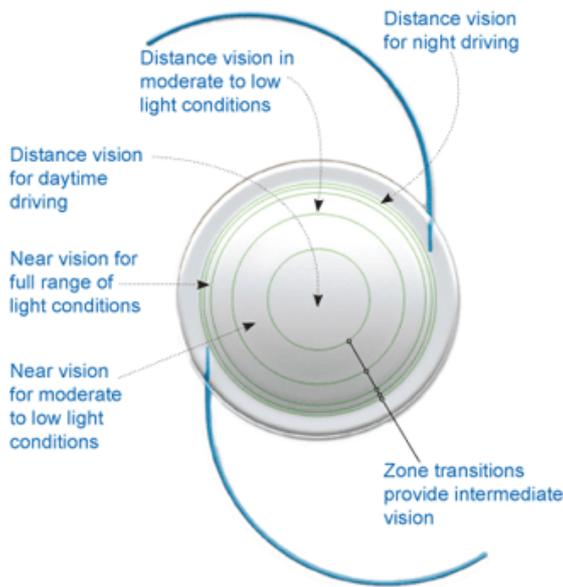
Toric Multifocal IOLs are premium intraocular lenses that correct astigmatism as well as nearsightedness or farsightedness.

Like toric soft contact lenses, toric IOLs can correct astigmatism because they have different powers in different meridians of the lens. They also have alignment markings on the peripheral part of the lens that enable the surgeon to

adjust the orientation of the IOL inside the eye for optimal astigmatism correction.

Just prior to cataract surgery, the surgeon places temporary markings on the patient's cornea that identify the location of the most curved meridian of the front of the eye. Then, when the toric IOL is implanted during the cataract procedure, the surgeon rotates the IOL so the markings on the IOL are aligned with the markings on the cornea to insure proper astigmatism correction.

Multifocal IOLs



Multifocal IOLs are another category of presbyopia-correcting IOLs that can decrease your need for reading glasses or computer glasses after cataract surgery.

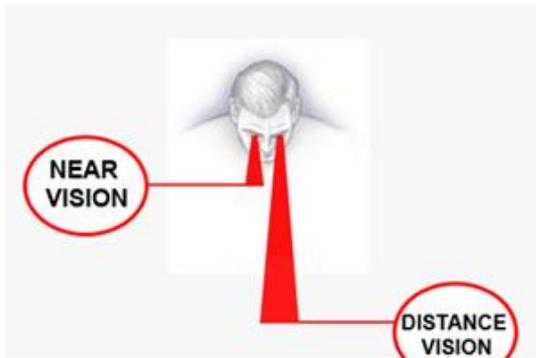
Like multifocal contact lenses, these premium IOLs contain added magnification in different parts of the lens to expand your range of vision so you can see objects clearly at all distances without glasses or contact lenses.

Some studies have shown multifocal IOLs tend to provide better near vision than accommodating IOLs, but

they also are more likely to cause glare or mildly blurred distance vision as a tradeoff.

Dr Mustafa can help you decide if you are a good candidate for multifocal IOLs at your preoperative exam and consultation.

Monovision



Graphic from lenseducation.com

An alternative to multifocal IOLs for correcting presbyopia is monovision.

There is no such thing as a "monovision IOL." Monovision is the technique of fully correcting the refractive error of one eye and intentionally making the other eye mildly nearsighted. In this scenario, the fully corrected eye sees distant objects clearly (but cannot see very well up close without glasses), and

the mildly nearsighted eye sees very well up close without glasses (but not so clearly far away). Hence this allows for the patient to adapt and use the dominant eye for distance and the non-dominant eye for near tasks.

However this option is not for everyone. If it is to be entertained one would need to have a contact lens trial to simulate such optics (albeit not perfectly if there is cataract) to allow the patient to decide if it is indeed something they would accept before proceeding with surgery.