CATARACT PATIENT INFORMATION

OAKVILLE EYE ASSOCIATES
Telephone: (905) 469-6666

Dear Patient,

You have been referred to Oakville Eye Associates for a cataract Surgery consultation. Cataracts are a very common condition and cataract surgery is a common procedure with an excellent safety record. We hope this information sheet is helpful for you to understand your options for the correction of your cataracts.

What is a cataract?

A Cataract is a clouding of the natural lens inside your eye. Most of the time, it is caused by natural aging changes. Your only option for the correction of your cataract is surgery to improve your vision. During cataract surgery, the cloudy lens of your eye will be removed and a new artificial lens will be implanted to replace it.
It is important you know all of your options for cataract surgery. We are proud to offer the most advanced technology to our patients to ensure the proper measurements are taken to recommend the best lens suited for you.
Upon seeing the surgeon, a technician will ask you some questions about your medical history and the recent changes in your visionand your vision will be checked. The technician will take some initial measurements of your eye before you meet with your surgeon to plan your surgery. Two different types of measurements are offered and needed to determine the power of the **Intra Ocular Lens (IOL),**(one is covered by OHIP and the other is not), and a third advanced technology that measures and takes a map of cornea surface.

Available testing:

1. **A-Scan (Ultrasound biometry):** Uses ultrasound probes that touch your eyes and are used to measure your eye. This requires your eyes to be frozen with drops prior to preforming measurement.

2. **IOL Master:** The IOL Master is a highly accurate, special laser light to measure the eye. It is available to you as an optional upgrade to the standard ultrasound that is covered by OHIP. Unlike the ultrasound, no probes will touch your eye; hence it is more comfortable and does not require freezing drops. **This test provides more accurate measurements and will allow you to be less dependent on your distance glasses after surgery. (Uninsured service $100/eye)**

Oakville Eye Associates Offers iTrace!!

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We are excited to tell you we offer the latest iTracewavefront no touch eye exams. This device uses the most advanced technologies available to help measure and diagnose your vision more thoroughly than ever before. With this new technology, wecan assess your vision for higher order aberrations that may be causing you to see distortions such as "ghost images", double vision, halos, streaking of lights and glare. We are able to analyze the eye in several different layers to assess the source of distortion then present to you the best treatment options for your eyes.

We will be able to see what point of light looks like through your eyes and what the potential is when surgically corrected or non-surgically corrected (eyeglasses or contacts). In addition, we will be able to see a map of the surface of your cornea which can aid in the diagnosis and treatment of many corneal dystrophies.

** The iTrace exam is **NOT** covered by OHIP. It is an optional $50 per eye to upgrade to the exam

YOUR MESUREMENT OPTIONS

	Purpose	**COST**
A-scan	Determines the power of your eye	**Covered by OHIP**
IOL Master	Determines the power of your eye via advanced technology	**NOT covered by OHIP $100 per eye**
iTrace	New wave-front technology that maps the surface of cornea	**NOT covered by OHIP $50 per eye**

*****CONTACT LENS WEARERS- PLEASE READ*****

Please let us know if you were contact lenses. Contact lenses have to be discontinued for a set period of time before measurements can be done. Please notify our staff

Your lens measurements play an important role in identifying the best lens for you. The following types of artificial lenses can be placed in your eye at the time of your cataract

procedure so you will have some choices to make. New lens implants and measurement technologies may offer you an opportunity to see better than ever before.

Cataract Surgery includes:

Basic lens, covered by OHIP:

OHIP covers the entire cost of the cataract surgery with a conventional lens implant. This lens allows you to see at a distance (eg. Watching TV). Glasses will be required after surgery to have the ability to see near or intermediate images. If you have astigmatism and choose not to select a toric lens for correction, then bifocals may be required after surgery.

Aspheric Lens:

An aspheric monofocal lens is an upgrade from your basic lens. This lens will allow you to see at a distance although glasses will still be required after surgery to have the ability to see near or intermediate distances. If you have astigmatism and choose not to select a toric lens for correction, then bifocals may be required after surgery.

How does this lens differ from the basic lens covered by OHIP:

The basic lens is designed to allow you see distance although they are not designed to bring back the balance of a youthful eye. Images may not be sharp and a lack of contrast sensitivity exists (Low light conditions/driving at night). With an aspheric lens you will have a better opportunity to get back sharper vision and increased contrast sensitivity offering superior functional vision. Functional vision is every day, real world vision, which includes low light conditions and is especially important in situations when driving at night. The chart below identifies the difference in vision if you upgrade to an aspheric IOL

Aspheric IOL **Standard of Care Lens**

20/20* *Images simulated using ZernikeTool, created by George Dai, PhD.				
Average Corneal SA	+.27	+.27	+.27	+.27
Lens SA Correction	-.27	-.17	0.0	+.15
Total Residual SA	0.0	+0.10	+0.27	+0.42

***Ask your surgeon which aspheric lens is best for you. The iTrace exam allows to select the lens most appropriate for you based on the amount of spherical aberration you need to correct in your cornea.**

If you have Astigmatism:

Astigmatism is due to an irregularly shaped cornea (front surface of the eye). Astigmatism causes distorted vision which can be corrected at the time of surgery with a Toric lens, improving the quality of your distance vision. Reading glasses will still be required with a Toric lens.

A lifestyle lens: How can you reduce your need for glasses?

This Multifocal lens will allow you to see at a distance (watching TV), intermediate (computer work) and near (reading the newspaper), decreasing the need for glasses. You may still need glasses for some activities such as prolonged reading or reading very small print (pill bottles).

Extended Range of Vision lens

The TecnisSymfony lens is the latest technology and first on the market to offer extended range of vision. The Symfony lens offers great intermediate vision (computer, seeing the dashboard) and distance vision. Reading glasses may be required. Please ask your surgeon if you are interested in learning more on the TecnisSymfony lens.

Lens Options	Corrects Astigmatism	Corrects Distance	Offers Intermediate	Corrects Near	Glasses Required
Basic Lens		X			Readers/Bifocals
Aspheric Lens		X			Readers/Bifocals
Toric Lens	X	X			Readers
Lifestyle Lens (Multifocal)		X		X	Task-Specific minimal
TecnisSymfony		X	X		Potential need for readers

Please refer to Oakville Hospital IOL Price list for lens options listed above