

HDV
HIGH DEFINITION VISION™

SOLUTIONS

HERZIG
EYE INSTITUTE

TORONTO | OTTAWA



THE COMPLETE GUIDE TO
**LASER VISION
CORRECTION**



“At Herzig Eye Institute our commitment is to provide each patient with their best possible vision in a safe environment, through superior surgical treatments, and the highest level of patient care.

Herzig Eye Institute’s High Definition Vision® solutions are the most advanced vision correction technologies available.

High Definition Vision® solutions are about achieving a level of vision, most often better than with your glasses or contact lenses. Like most of our patients, you’ll wonder why you waited so long.

Thousands of people from all over the world seeking laser vision correction have trusted the surgeons at Herzig Eye Institute to provide the best possible visual result with the most proven, safe, and effective technology available. It is truly an awesome responsibility and I can assure you, it is a responsibility every member of our clinical and administrative staff takes seriously. At Herzig Eye Institute, **we value your trust and make every effort to ensure the highest standards of service and comfort are upheld.** Thank you for giving us the opportunity to meet and exceed your expectations.”

- Cherry Tabb | Co-Founder & CEO



Eye Conditions



NEARSIGHTEDNESS

Nearsightedness is a common refractive error, also known as myopia. Myopia occurs when the eye is too long in relation to the curvature of the cornea. This causes light entering the eye to focus in front of the retina instead of on the retina. If you are nearsighted, you will have difficulty seeing things far away.



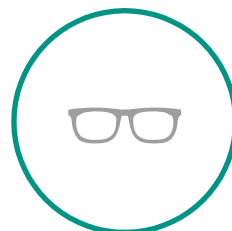
FARSIGHTEDNESS

Farsightedness is a common refractive error, also known as hyperopia. Farsighted people see things best when they are far away, but have trouble seeing things up close. Hyperopia occurs when light entering the eye comes into focus behind the retina instead of on the retina. This can be caused by too flat a cornea or eye, or a combination of both. People with severe hyperopia can have trouble seeing clearly, even at a distance.



ASTIGMATISM

Astigmatism occurs when the cornea is shaped more like a football than a basketball. Sometimes astigmatism can be caused by an irregular shaped lens inside the eye. This irregular shape causes distortion or blurry images due to the unequal bending of light rays entering the eye. Astigmatism is a very common, and most people have it to some degree.



PRESBYOPIA

As we age, the eye's natural lens becomes too stiff to focus up close. With our hardening lens, words and other nearby objects appear blurry. As a result, words and other nearby objects appear blurry. The clinical term for this loss of reading vision is presbyopia. 100% of the population becomes presbyopic as they enter their 40s.



Your Complimentary Consultation

We match the right procedure with the right patient.

During your complimentary consultation, you will undergo advanced diagnostic testing, a full eye exam with an eye doctor, and meet with a Refractive Consultant to answer any questions.

Your eyes are complex and precious. There is no one-size-fits-all solution. At Herzig Eye Institute, we use only the most advanced and proven vision correction technology to ensure we offer the best and safest option to you.



Our Procedures

Herzig Eye Institute is an industry leader providing a wide range of custom vision correction solutions to treat nearsightedness, farsightedness, astigmatism, and presbyopia (the loss of reading vision). **Your eyes are priceless and deserve the best care possible.**

LASER VISION CORRECTION

Laser Vision Correction is one of the most exciting technological advances in the history of eye care. There are three ways of utilizing this extraordinary technology, SMILE[®], LASIK, and PRK.

Our world-renowned surgeons utilize the most advanced vision correction technology available. to help you achieve life-changing results. After careful review of your diagnostics and eye exam results, a treatment plan will be customized for you.

Our Procedures *(continued)*

SMILE® - SMALL INCISION LENTICULE EXTRACTION

The Zeiss ReLEx SMILE® procedure is the latest advancement in the field of Laser Vision Correction. SMILE® stands for SMAll Incision Lenticule Extraction and it treats nearsightedness and astigmatism. It is safe, effective, and offers many advantages, including quick recovery time and minimal discomfort during the healing process. It uses a highly advanced femtosecond laser to create a tiny disk-shaped piece of tissue (a lenticule) within the cornea. When this lenticule is removed through a tiny incision, the cornea takes on a new shape, which allows it to focus light clearly on the retina and eliminate nearsightedness and astigmatism.

SMILE® offers all the advantages of LASIK including fast visual recovery and minimal discomfort during healing. SMILE® allows correction of higher levels of nearsightedness and it significantly reduces the incidence of post-operative dry eye. SMILE® is increasing in popularity because it doesn't require a corneal flap. It has become the laser procedure of choice for many surgeons around the world.



Our Procedures *(continued)*

LASIK - LASER-ASSISTED IN SITU KERATOMILEUSIS

LASIK remains the most common Laser Vision Correction procedure in the world. LASIK stands for Laser-Assisted In Situ Keratomileusis. It is used to correct refractive error by reshaping the cornea through a corneal flap.

The IntraLase® method is a 100% blade-free approach to creating a corneal flap. IntraLase® allows the surgeon to create a thinner, smoother, and more uniform corneal flap. After gently lifting the flap, the surgeon uses the computer-guided excimer laser to reshape the cornea.

A wide range of myopia, hyperopia, and astigmatism can be corrected by the LASIK procedure. It is a delicate surgical procedure allowing for a predictable healing response. After the procedure, vision stabilizes rapidly and there is little to no discomfort.

PRK - PHOTOREFRACTIVE KERATECTOMY

PRK, or Photorefractive Keratectomy, is the first generation of laser vision correction technology. Since 1989, millions of people have had their vision corrected with PRK. Commonly referred to as 'surface ablation', PRK uses an excimer laser to reshape the cornea and correct nearsightedness, farsightedness, and astigmatism.

PRK is recommended when the surgeon determines it is the only safe option, particularly for those with corneal abnormalities.

During the procedure, the top cell layer of the cornea (epithelium) is gently removed to prepare the eye for treatment. Once the epithelium is gently removed, the excimer laser will be used to reshape your cornea. The laser will track and adjust to any eye movement.

Once complete, a soft bandage contact lens is placed on the eye to protect it and promote healing. The process is then repeated on the other eye.



Our Procedures *(continued)*

PRESBYOPIA

There are a number of options to treat presbyopia and restore reading vision, including SMILE, LASIK, or PRK. Monovision is a treatment option where one eye is corrected for distance while the non-dominant eye is left under corrected to see up close. The brain integrates the visual information from both eyes and adjusts to have each eye focus at a different distance. This adjustment period can happen immediately or take up to a few weeks. Monovision can be achieved with all of our High Definition Vision® solutions.

Another way to give someone both distance and near vision is with PRESBYOND® Laser Blended Vision. Similar to monovision, the dominant eye is corrected for distance vision and the non-dominant eye is corrected to be slightly nearsighted for close up vision. Both eyes are treated to ensure balance of vision. A customized fusion of the two images for near and distance vision is created for each patient - this is called the 'Blend Zone'. The Blend Zone makes it easy for the brain to merge the images of both eyes, achieving true binocular vision.

Other Options

WHAT IF I AM NOT A CANDIDATE FOR LASER VISION CORRECTION?

Some people learn they are not a candidate for any kind of Laser Vision Correction procedure. At Herzig Eye Institute, we are pleased to offer other procedure options such as Refractive Lens Exchange (RLE) and the Intraocular Collamer Lens (ICL).

Most other vision correction centres don't offer more than one option. When you visit Herzig Eye Institute, you can take comfort in knowing our surgeons are not limited by a single procedure. Our goal is to recommend a treatment to provide you with your best possible vision.

RLE - REFRACTIVE LENS EXCHANGE

Refractive Lens Exchange (RLE) is an intraocular procedure (inside the eye) identical to cataract surgery, but with no cataract present. Unlike laser vision correction, which reshapes the cornea, Refractive Lens Exchange changes the focusing power of the eye by replacing the eye's natural lens. The natural lens is replaced with a thin intraocular lens (IOL) to provide good distance vision, good reading vision, or both.

An advantage of having a Refractive Lens Exchange (RLE) procedure is you will not develop a cataract later on in life. RLE is an excellent procedure for patients over the age of 40, because it can correct Presbyopia (loss of reading vision), nearsightedness (myopia), farsightedness (hyperopia), and astigmatism.

With the advanced IOL options available today, your vision at all distances - near, intermediate, and far - can be corrected and provide a continuous range of vision. While many IOLs can provide excellent vision at a continuous range, sometimes glasses are required for specific tasks like reading a prescription bottle or the newspaper.

Our Procedures *(continued)*

ICL - INTRAOCULAR COLLAMER LENS

An Intraocular Collamer Lens (ICL), or Phakic IOL, is a thin intraocular lens designed to rest in front of the eye's natural lens, just behind the iris. It is made of a biocompatible material called collamer, which is designed to function in harmony with the eyes.

Introduced in 2002 in North America, the Intraocular Collamer Lens (ICL) procedure is a great alternative for patients who are not candidates for laser vision correction. ICLs are an option for patients with high levels of nearsightedness (myopia), farsightedness (hyperopia), or astigmatism too extreme for laser vision correction.

The ICL procedure itself is quick and painless. It usually takes about 15-20 minutes to perform. The eyes are made numb using anesthetic drops and the ICL is inserted through an opening so tiny, it does not even require stitches. Once inserted, the ICL gently unfolds to its full width. Most people notice improved vision immediately following the procedure.

The ICL is an incredible piece of technology because the brain doesn't know what hit it. There are -18.00 patients ineligible for laser vision correction who have an ICL put in and are seeing better than they ever have with glasses or contacts. Although an ICL is designed to be a permanent vision correction solution, it is a removable and reversible procedure.





Your Personalized Procedure

We aim to give you vision
better than you can achieve
with glasses or contacts.

Your care is our priority. We are committed to providing you with quality care from start to solution. From your thorough eye examination and personal consultation with an eye doctor, to ensuring a comfortable and relaxed surgical procedure, to the very finest follow up care during your recovery.



Be Amazed...

Be amazed by **your new vision.**

Your original vision correction procedure is backed by our **Lifetime Commitment**. Because your follow up care is as important as the procedure, you will need to return for the required post-op exams and maintain regular annual eye exams with your primary eye care provider.

Your eyes are priceless and deserve the best

The Herzig Eye Institute Difference

We aim to provide the highest standards of medical excellence. Our team of world-renowned surgeons were selected for their outstanding experience in cataract and refractive surgery. Doctors across North America regularly consult with our surgeons and refer their more challenging cases to our team of highly reputable physicians.

The Best Option for You

We specialize in matching the right procedure with the right patient to help you achieve your best possible vision. We utilize only the most advanced and proven vision correction technology available.

We believe treating your precious vision is a sacred responsibility and it requires us to relentlessly pursue an unsurpassed standard of quality in visual outcomes and patient service..



Schedule your complimentary consultation today
and see the world with new eyes!



**Call or Visit Us Online
to Request Your
Complimentary
Consultation**

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