DISCLAIMER: The information in this brochure is not intended to be a substitute for professional medical advice, diagnosis or treatment. All content, including text, graphics, images and information is for general information purposes only. If you have persistent vision health problems or if you have further questions, please consult our ophthalmologists. For internal distributions only.
Why Choose Us

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- One of the eye specialists to introduce ReLEx SMILE technology in Malaysia
- A strong support system and network
- 210,000 satisfied patients
- Professional and experienced doctors
- One of the private eye hospitals in Penang
- Lifetime vision warranty
- A wide range of treatment options, all under one roof
- OPTIMAX Treatment Results & Analysis System (OTRAS)
- Award winning:
  - 2017 Malaysia Health & Wellness Brand Award
  - 2016 MRCA National Growth Award
  - 2016 Frost and Sullivan Award
  - 2015 Sin Chew Business Excellence Awards
  - 2014 Sin Chew Business Excellence Awards

OPTI VISION (Content)
ReLEx SMILE is a less invasive way to treat short-sightedness and astigmatism. Traditional laser treatment involves creating a flap on the cornea, before using a second laser - the Excimer Laser, to reshape the cornea. With ReLEx SMILE, no corneal flap is required. A 4mm opening is all ReLEx SMILE needs. This minimally invasive technique allows the surface tissue to remain intact, thus significantly preserving the biomechanical strength of the cornea.

Procedures
1) The Femtosecond Laser is able to penetrate the surface of the cornea.
2) This laser is used to create a lenticule in the inner layers of the cornea.
3) A small, micro incision (3-4mm) is created at the side of the cornea.
4) The lenticule that was created earlier is gently removed through the small micro incision made.

Advantages
- Safe
- Painless, fast and comfortable
- Bladeless
- Flapless
- Customised
- Fast recovery
- Excellent vision quality
- Less dry eye
- Retains natural corneal strength
- Noise and odour free
Customised Femto-LASIK is also known as Customised All Laser LASIK. It is a procedure to correct short-sightedness, long-sightedness and astigmatism.

**Procedures**

1) The Femtosecond Laser is used to create a flap on the cornea.

2) The flap layer is then gently lifted to expose the inner layers of the cornea.

3) The Customised Excimer Laser is used to reshape the inner layers of the cornea, thus correcting the eye’s power.

4) Once treated with the Customised Excimer Laser, the flap is gently placed back in its original position.

**Advantages**

- Safe
- Painless, fast and comfortable
- Bladeless
- Customised
- Fast recovery
- Excellent vision quality
- More even flap creation
Customised Advanced Surface Ablation (ASA)

Customised ASA is an alternative method to correct short-sightedness, long-sightedness and astigmatism.

In ASA, the corneal flap creation is no longer required. Only the top layer of the cornea (epithelium) will be removed, before the Customised Excimer Laser is applied. The vision and corneal recovery period may take a little longer than other LASIK procedures, but the outcome is similar.

Procedures

1) A small ring is positioned on the surface of the cornea and filled with a few drops of diluted alcohol solution. It helps to loosen the epithelium.

2) The epithelium is gently removed to allow the Customised Excimer Laser to be applied to the inner layers of the cornea.

3) The Customised Excimer Laser is used to reshape the inner layers of the cornea, thus correcting the eye’s power.

4) A bandage contact lens is then placed on the cornea and removed within 1 week.

Advantages

• Safe
• Painless, fast and comfortable
• Bladeless
• Flapless
• Customised
• Excellent vision quality
• For thin corneas
• Saves corneal tissue
• Likely to treat cornea with scars
LASIK Tissue Saving procedure involves a corneal flap creation, where the corneal flap is gently lifted using a precise instrument called **microkeratome**. It is a procedure to correct **short-sightedness**, **long-sightedness** and **astigmatism**.

In **Customised LASIK Tissue Saving**, the flap created is thinner compared to one created in traditional LASIK. This enables the surgeon to safely treat **higher degrees of short-sightedness**.

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**Procedures**

1) A microkeratome (blade cutter) is used to create a flap on the cornea.

2) The flap layer is then gently lifted to expose the inner layers of the cornea.

3) The Customised Excimer Laser is used to reshape the inner layers of the cornea, thus correcting the eye’s power.

4) Once treated with the Customised Excimer Laser, the flap is gently placed back in its original position.

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**Advantages**

- Safe
- Painless, fast and comfortable
- Customised
- Fast recovery
- Excellent vision quality
- Likely to treat cornea with scars
LBV is an advanced method for treating presbyopia. It combines corneal refractive treatment with the benefits of increased depth of field to provide good vision at all distances. Due to this reason, LBV has become the top choice for the fast growing demographic of presbyopic patients.

**Advantages**
- Safe
- Painless, fast and comfortable
- Bladeless
- Customised
- Fast recovery
- Easy vision adaptation
- Virtually no vision compromises at all distances
- Able to read within the same day

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**Before**
Reading Difficulty (Presbyopia)

**After**
LBV Corrected Vision

**Dominant Eye**
- NEAR
  - Dominant Eye
  - ±0.0 D

**Non-Dominant Eye**
- NEAR
  - Non-Dominant Eye
  - -1.5 D

**Increase in depth of field**

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**~97% Patients Tolerate**

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OPTIVISION (Laser Refractive Treatment)
Implantable Collamer Lens (ICL)

The ICL is a specially designed soft and flexible lens that is implanted in the eye (between the iris and the crystalline lens) to give you clear vision. It is made out of collamer, a material that is biocompatible with the eye, making it a highly popular surgical option for those seeking an alternative to LASIK or other laser vision correction procedures.

The Lens You Can Rely On

An advanced technology for super athletes and US military. To date, surgeons in the US military have implanted over thousands with ICL. 98% patients achieved 20/20 visual acuity while 100% were able to see, function and perform better.

Implantable Collamer Lens (ICL)

Procedures

1) A micro incision of less than 3mm is made.
2) The ICL is injected behind the iris.
3) Slight adjustment of the ICL.
4) Normal view of eye after procedure.

Advantages

- Safe
- Painless, fast and comfortable
- Fast recovery
- Excellent vision quality
- No dry eyes
- Invisible and undetectable
- Permanent, yet removable
- UV protection
- Recommended for those with insufficient corneal thickness
- Treatment flexibility for the future
Refractive Lens Exchange (RLE)

Refractive Lens Exchange is a surgical procedure where the natural crystalline lens is removed and replaced with a clear artificial lens. This clear artificial lens is also called an Intra Ocular Lens (IOL) and it corrects the optical power of the eye. This means that you will no longer depend on glasses or contact lenses to see well.

IOL Options
We offer a wide range of Intra Ocular Lens (IOL). Our Ophthalmologist will assist you to choose the IOL that benefits you the most.
- Monofocal
- Multifocal
- Monofocal toric
- Multifocal toric

Procedures
1) A micro incision of 3mm is made on the cornea. An ultrasonic tip is inserted through the micro incision to soften and remove the natural crystalline lens.

2) Once the natural crystalline lens has been completely removed, the artificial lens is inserted gently to restore vision. Because of the micro incision, there is no need for stitches to seal the opening.


Advantages
- Restores distance vision
- Preserves reading ability (with multifocal IOL)
- Eliminates the need of cataract surgery in future
- Fast vision recovery
- Predictable outcome
Orthokeratology (Ortho-K)

Ortho-K is a non surgical method of reshaping the cornea to provide clear vision for children. It is also one of the most proven and effective methods of childhood myopia (short-sightedness) control. The patient wears a special contact lens while sleeping at night. This contact lens is designed in such a way that it will use the tears of the patient to gently reshape the cornea while the patient is sleeping.

Procedures
1) The patient wears a special contact lens while sleeping at night.

2) This contact lens is designed in such a way that it will use the tears of the patient to gently reshape the cornea while the patient is sleeping.

3) When the patient wakes up in the morning, he/she will remove the contact lenses and be able to enjoy clear vision for the rest of the day.

Advantages
• Safe
• Clear vision throughout the day without surgery
• Control myopia progression in children
• For those too young to consider LASIK (below 18 years old)