

Extra Steps to Ensure Safety

As a leading refractive surgery centre, we take pride in achieving the best outcome with maximum safety. Numerous measures are employed to ensure delivery of the best care to patients.

1. In 2004, the Centre was among the first in Asia to introduce femtosecond laser for flap creation. The risk of flap complications is much minimised.
2. In 2021, the Centre was the first in Asia and the third in the world to introduce SMILE-Pro. This cutting-edge technology is equipped with CentraLign and OcuLign systems to facilitate the alignment with the visual axis and astigmatism axis. It significantly shortens the operation time, resulting in better quality, accuracy and safety.
3. Regular post-operative monitoring is conducted to achieve desired surgical outcomes and provide statistical evidence for further improvement.
4. All procedure rooms are maintained at an exceptional standard:
 - Equipped with hospital-grade HEPA filters
 - Microbiological air sampling is performed according to the operating theatre standards
5. Professional in-house engineering team:
 - Professionally trained to carry out additional independent maintenance
 - Daily calibration of equipment
 - Regular surveillance programmes to ensure that machine accuracy far exceeds the requirement specified by equipment providers

Free Seminars

Our Centre regularly conducts free seminars for members of the public who are interested in refractive surgery. If you are interested in joining the seminar or getting more information, please visit our website or call our Centre.



HKSH Guy Hugh Chan Refractive Surgery Centre

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Service Hours

Monday to Friday: 9:00 am – 5:00 pm
Saturday: 9:00 am – 1:00 pm
Closed on Sundays and Public Holidays

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Consultation by Appointment
For enquiries and appointments,
please contact us



Refractive Surgery FOR CLEAR VISION



養和陳蔭樂視力矯正中心

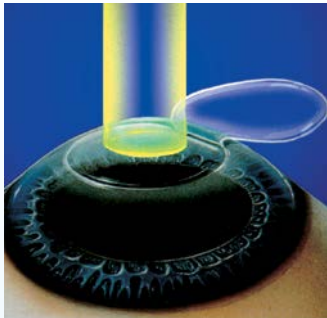
HKSH Guy Hugh Chan
Refractive Surgery Centre

HKSH Guy Hugh Chan Refractive Surgery Centre

Clear vision is crucial to our daily lives. In order to see clearly, people with refractive errors depend on glasses or contact lenses. However, many people find glasses cosmetically unappealing, and contact lenses can be both troublesome to handle and pose potential risks. Refractive surgery is therefore provided for those in need as a surgical option to reduce the need for corrective eyewear.

The HKSH Guy Hugh Chan Refractive Surgery Centre is one of the first centres in Asia to provide refractive services for the correction of nearsightedness (myopia), farsightedness (hyperopia), astigmatism and reading problems (presbyopia). Since 1996, we have performed over 143,000 refractive procedures. Overall surgical success and patient satisfaction level are extremely high. This result can only be achieved by selecting the best treatments for each patient.

LASIK (Laser In-Situ Keratomileusis)



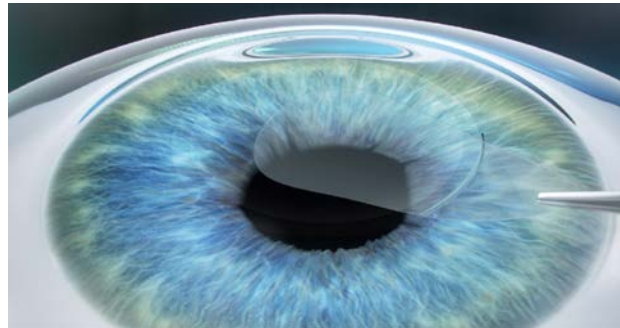
LASIK can correct refractive errors in two steps:

- Creating corneal flap with femtosecond laser
- Removing corneal tissue with excimer laser

Advantages of LASIK surgery:

- Revolutionary laser technology for flap cutting
- Customisable for each patient
- Fast visual recovery
- Suitable for patients with high myopia, thin cornea and large pupils

SMILE-Pro (Small Incision Lenticule Extraction)



The Centre was the first refractive surgery centre in Asia and the third in the world to introduce SMILE-Pro in 2021. SMILE-Pro is a minimally invasive vision correction procedure, using femtosecond laser technology to cut a lenticule (a piece of cornea tissue) from the cornea. The lenticule is then removed through a small incision, which changes the cornea's curvature and corrects refractive errors. SMILE-Pro is equipped with CentraLign and OcuLign systems to facilitate the accurate alignment with the visual axis and astigmatism axis, resulting in a significant improvement in the accuracy of correction and the quality of vision after surgery.

Advantages of SMILE-Pro:

- Small incision surgery
- Fewer disruption of corneal nerves, i.e. less dry eye
- It maintains corneal biomechanical strength
- It is a faster and safer operation

Other Treatment Methods

For corneas which are too thin, or people who frequently engage in contact activities:

- LASEK (Laser Sub-Epithelial Keratomileusis)
- PRK (Photorefractive Keratectomy)
- Trans-PRK (Transepithelial Photorefractive Keratectomy)
- Implantable Contact Lens (ICL)

For corneal strengthening:

- -Xtra (Corneal Collagen Cross Linking with Refractive Surgery)

Different Laser Systems for Unique Patient Needs Yield Optimal Results

Our Centre is equipped with several laser systems. Ophthalmologists formulate the most suitable treatment plan for each patient based on ocular characteristics and individual needs. Having more options maximise the chance of getting the best visual outcome.



WaveLight EX500

VisuMax 800



Schwind Amaris RS1050

Other Advances in Treatment Technologies

The Centre's equipment has been timely upgraded to provide the newest and most advanced treatment options. Our current and most updated technologies in refractive surgeries include:

- 0.7 mm Fine Spot Laser Ablation Technology
- 7D Tracking Technology
- Aspheric Technology
- Iris Recognition Technology
- Personalised Aspheric Q Adjustment Technology
- Presbyopia-correcting Laser Profile
- Topography Guided Technology
- Wavefront Technology
- Wavefront Optimised Technology
- CentraLign System
- OcuLign System