

Fitting procedures of Specialty Contact lens

Comprehensive eye examination

Optometrists will provide professional advices about the available contact lens options based on patient's ocular conditions.

If patients are suitable for contact lens fitting

Contact lens fitting

STEP 1

Optometrist will perform specific assessment to the patient to assess, for example:

- Anterior ocular health
- Contact lens clinical performance
- Lens curvature adjustment needed
- Lens comfort
- Visual performance

STEP 2

Contact lens delivery

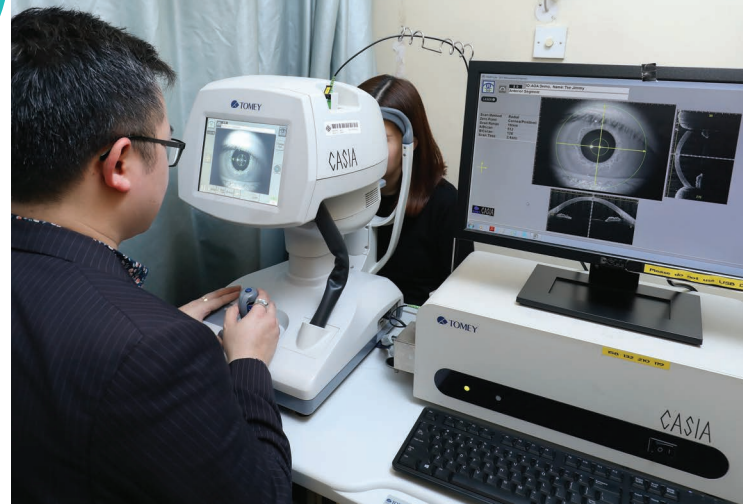


STEP 3

Regular follow up and contact lens aftercare

Due to the large variety of specialty contact lenses and the complexity of lens fitting, the duration of trial fitting will be longer than conventional contact lenses and the lens performance can be varied among individuals.

Aftercare visits will be scheduled after successful contact lens delivery. The schedule of the aftercare visits may be varied among individuals, depending on the ocular conditions and lens performance in different patients. After achieving optimal lens performance, regular contact lens aftercare and follow up visits are still required, in general, once every three to six months.



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To schedule an appointment, please contact The Optometry Clinic, The Hong Kong Polytechnic University.

Web booking:



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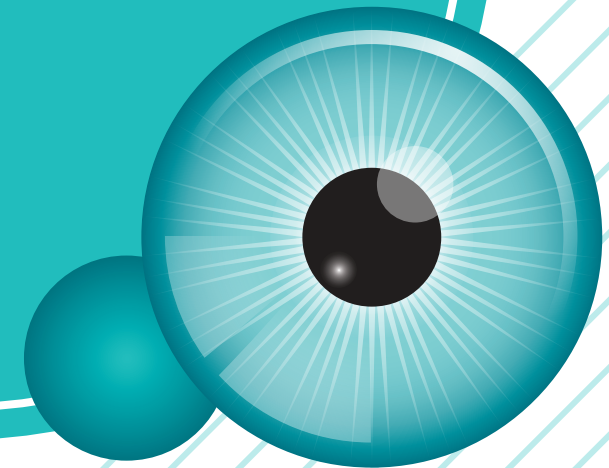
THE HONG KONG
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香港理工大學



眼科視光學院
SCHOOL OF OPTOMETRY

SPECIALTY CONTACT LENS

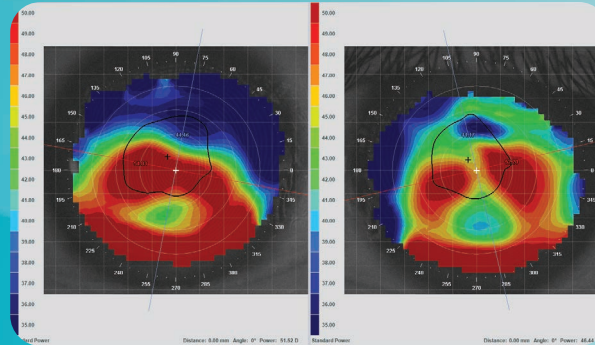
Fitting Service



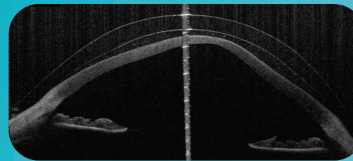
Specialty Contact lens fitting service

Visual performance of patients with irregular cornea or ocular surface disease usually cannot be improved by conventional spectacles or contact lenses. However, their visual function and quality of life may be enhanced by using specially designed contact lenses.

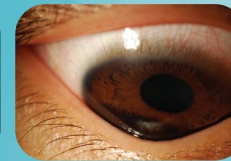
After a comprehensive eye examination, patients will be referred to our specialty contact lens clinic. The anterior ocular health of these patients will be further evaluated using advance technology such as corneal topography and anterior segment optical coherence tomography. The patients will be prescribed with custom-made specialty contact lenses according to the clinical findings and personal needs.



Corneal topographies of irregular cornea



Post scleral lens wear
Anterior segment optical coherence tomography



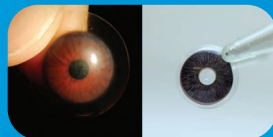
Severe Keratoconus

What are the types and uses of Specialty Contact lens?

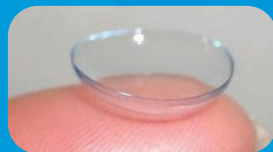
There are different types of specialty contact lenses including multi-focal soft or rigid gas permeable (RGP) corneal lens, special designed tinted lenses, prosthetic contact lens, specialty RGP corneal lens, and scleral lens.



Specialty RGP corneal lens and scleral lens.



Prosthetic contact lens



Multi-focal soft contact lens

All these lenses have different clinical applications. For example, specialty corneal or scleral lens can neutralize the irregularities of the corneal surface and correct the refractive errors. Special designed tinted lenses can help patients to reduce visual discomfort and improve cosmetic appearance. After the ocular health and lens fitting assessments, our optometrists will discuss with patients about the possible lens choices and fit them with suitable type of specialty contact lenses.



Who are the possible candidates of this service?

1. Visual improvement

• Irregular Astigmatism

It is usually caused by irregular corneal surface due to corneal distortion. The visual performance of these patients cannot be improved by conventional spectacles or contact lenses. Common causes include keratoconus, pellucid marginal degeneration, and post-surgical complications (i.e. corneal transplant and LASIK)



Eye with corneal transplant

• Refractive Errors

Patients with high myopia, hyperopia, astigmatism, presbyopia, or those who cannot achieve acceptable vision using normal visual aids (i.e. conventional spectacles and contact lenses) can consider using specialty contact lenses.

2. Cosmetic improvement

Special designed tinted lenses can help patients to improve cosmetic appearance caused by opaque corneal scarring after trauma, inflammation or infection.



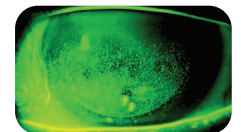
Pre and Post prosthetic contact lens wear

3. Ocular comfort improvement

Special designed lenses can help patients to reduce ocular discomfort caused by anterior ocular abnormalities such as dry eye syndrome or abnormal iris appearance.



Iris abnormality



Severe dry eye