



## Who can benefit?

Just about anyone with a refractive error is a candidate. Although many of our patients have come to us post-operatively following LASIK, PRK, and RK procedures, Dr. Gemoules has also brought relief and improved vision for increasing numbers of patients who have corneal transplants, high astigmatism, irregular astigmatism and corneal scars.

Scleral lenses are helpful to patients who suffer from the irregular astigmatism that often goes along with corneal transplantation. Those who do not enjoy clear vision with soft lenses due to astigmatism or an irregular cornea, and who cannot tolerate traditional GP lenses would be considered ideal candidates for our mini-scleral design.

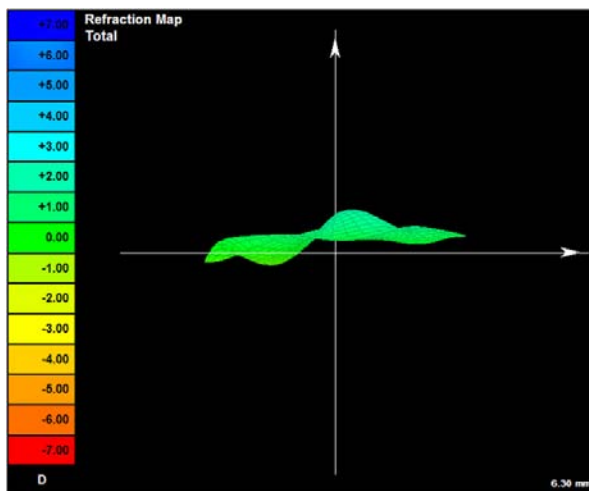
Patients with keratoconus, pellucid marginal degeneration, and other ectasias are also prime candidates for our lenses as well. These patients are frequently unable to achieve good vision with eyeglasses or soft lenses, and often struggle with discomfort and fluctuating vision of traditional hard or GP lenses.

Dry eye sufferers can benefit from the corneal protective effects of a scleral lens. GVH or graft vs. host disease is one example. Sjögren's Syndrome is another. Patients who experience reduced wearing time and discomfort from their contact lenses may also benefit from the mini-scleral design.

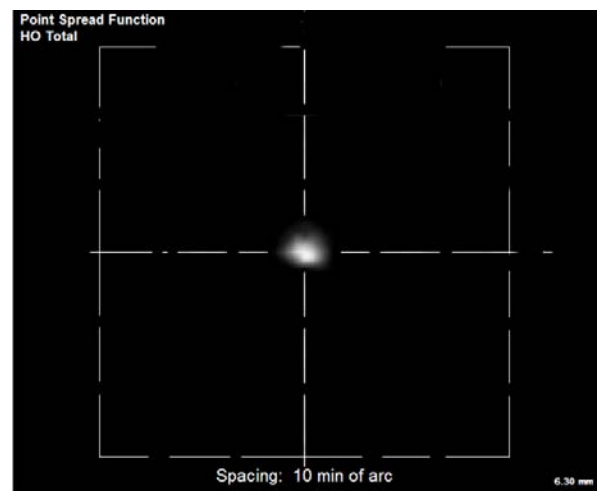
## How do our lenses work?

The Global Refractive Solutions™ Biometric Scleral Lens embodies the unparalleled optics of the gas permeable lens with the comfort of a soft lens, making them ideal of therapeutic use. While the lens itself is a superior product, it is Dr. Gemoules' experience in measuring the corneal irregularities and his expertise in designing and fitting which are responsible for the patient's enhanced comfort and visual correction.

The GP contact lens with its smooth, rigid optics creates a new refracting surface atop the patient's irregular and asymmetrical cornea, thereby reducing corneal aberrations and improving vision. The following images illustrate the improved visual acuity with the lenses.



With a GRS-designed mini-scleral lens in place, this patient experiences a uniform refraction or power across the entire pupil.



The same eye measured with a GRS-designed mini-scleral lens restores higher order aberrations to normal levels resulting in a point source appearing as a point source.

## Global Refractive Solutions

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