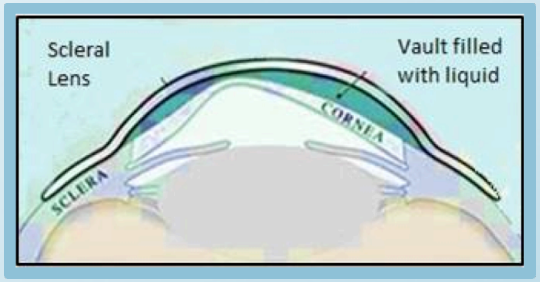
Contact us today
to learn how scleral lenses
can make a difference in your life.

Affix your practice address label here.

Blanchard Contact Lenses supplies the specialty GP lens industry with leading lens designs of the highest quality. Our mission is to consistently design and develop innovative specialty GP lenses utilizing cutting edge manufacturing methods, while maintaining unique partnerships with eye care professionals to improve all aspects of the contact lens wearer experience.

blanchard
Contact Lenses

Scleral Lenses for Keratoconus and Other Corneal Ectasias



Scleral lens vaulting the cornea,
maintaining a cushion of tears.

msd Select tm
Fits the Challenge

Scleral Lenses for Keratoconus and Other Corneal Ectasias

What is an Ectasia?

The cornea is the clear tissue on the outermost surface of the eye covering the iris (color tissue) and pupil. The main function of the cornea is to refract light entering the eye.

*A normal cornea will have a smooth shape. A cornea with an **ectasia** will have an irregular shape or bulge. This irregular corneal shape does not refract light correctly and will create irregular and distorted vision. Ectasias can be caused by corneal problems such as keratoconus, or may result after surgery such as LASIK or after injury to the eye.*

Keratoconus

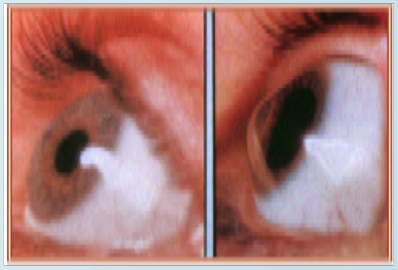
Keratoconus is the most common ectasia. The cause of the condition is not clearly known. It is a condition in which the cornea thins and bulges into a cone shape causing distorted vision. According to the Global Keratoconus Foundation, the condition occurs in 50 to 230 patients per 100,000 and in men and women of all races.

How Do Scleral Lenses Help?

Scleral lenses can be an excellent choice for a patient with keratoconus or with a corneal ectasia.

Scleral lenses are designed specifically to vault over the irregular corneal shape and fit on the sclera (white tissue) of the eye.

The scleral contact lens creates a new regular surface on the front of the eye that refracts the light correctly. The result is clear, distortion-free vision!



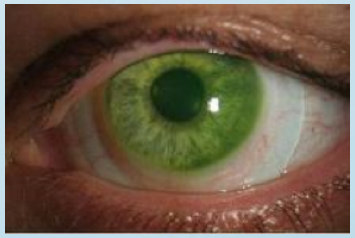
Normal Cornea — Cornea with an ectasia, keratoconus

How msd™ Scleral Lenses Work

msd™ scleral lenses incorporate a unique design that eliminates irregularities of the shape on the front surface of the eye (cornea) to correct your vision. The lenses are made of materials that let oxygen pass through the lens and provide a thin cushion of fluid that stays between the lens and eye that makes them very comfortable, reduces redness and creates a healthy environment for the eye. The lens is appropriate for most distance prescriptions, and toric contact lens prescriptions for patients with astigmatism.

The msd™ scleral lens offers three critical benefits to patients affected with GVHD:

1. *Creates a regular smooth ocular surface to provide clear, crisp vision*
2. *Fits beneath the lids and rests on the sclera (white of the eye) offering exceptional comfort and stability*
3. *Maintains a vault of soothing tears between the lens and cornea keeping the eye moist, comfortable and healthy*



msd™ Mini-Scleral Lens comfortably fit to eye.

The Success of Scleral Lenses:

- *78.9% report improved comfort*
- *78.2% report improved visual quality*
- *87.77% report improved overall satisfaction with scleral lenses*

**2007 Study by Visser*
http://www.ncbi.nlm.nih.gov/pubmed/17224675

Patient Testimonial:

I LOVE my new msd™ lens! Spring is here, did you know that there are buds on the trees? I do (now). Thank you!
Not once have I had to take it out during the day because it's uncomfortable or dirty. Now, when the soft lens in my right eye gets dry and feels like it's going to fall out, the msd™ is "just there." What an amazing product.

S.B.-56- year-old female; keratoconus in the left eye; West Hartford, CT

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