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

Affix your practice 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.
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 Onefit™ 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!

Keratoconus/Ectasia Symptoms and Treatment*

Common Symptoms:
- 78% report moderate issues with night driving
- 77% report difficulty reading regular print
- 73% report difficulty with work or activities requiring near vision
- 59% complain of pain

Treatment Success Rates:
- 1% report significant success with soft contact lenses
- 7% report success with hybrid contact lenses
- 22% report success with conventional GP lenses

How Onefit™ Scleral Lenses Work

The Onefit™ lens is designed specifically for irregular corneas with keratoconus. The lens is made of materials that let oxygen pass through the lens and the design creates a thin vault making it very comfortable and healthy.

Onefit™ lenses offer three critical benefits to patients with keratoconus:

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

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

Patient Testimonial:

I used to wear small hard lenses for my keratoconus, basically tolerating them. My doctor fit me in Onefit lenses. I never imagined they would be so comfortable and my vision is better than I can remember. These lenses are truly remarkable!

B.T. – 36-year-old male with keratoconus, Orlando, FL

*2007 Study by Visser

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