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.

Scleral Lens Management for Dry Eye Related Complications of Graft vs Host Disease

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

Blanchard Contact Lenses

Blanchard Contact Lenses

Fits the Challenge

msdSelect
What is Graft vs. Host Disease?

Graft vs. Host Disease (GVHD) is a complication that can occur after a stem cell or bone marrow transplant. The cells in the body of the transplant recipient regard the new cells as foreign, causing the new cells to attack the body of the recipient. This can be a sudden onset (acute) problem or it can be a chronic problem. The person suffering with GVHD will usually have many complications with their eyes.

Eye Related Complications:

- Dry, gritty or painful eyes
- Sensitivity to light
- Mucous encrusted eyelids
- Excessive tearing
- Foreign body sensation
- Reduced Vision
- Redness

A survey of 51 patients suffering from GVHD found:

- 96% had moderate to severe pain
- 87% had difficulty reading regular print
- 85% were worried about their sight
- 80% had trouble with work or hobbies
- 75% had trouble driving at night

A person with GVHD may suffer with red, painful, dry and irritated eyes

Can GVHD be Cured and How is it Treated?

There is currently no preventative treatment for GVHD and there is no cure, but symptoms can be managed. Patients can use lubricating drops, goggle-type eyewear, or warm compresses.

In a study by the Fred Hutchinson Cancer Research Center in Seattle, researchers found using scleral lenses to be a safe and effective treatment for patients with severe dryness and inflammation of the eyes as a result of GVHD.

What is a Scleral Contact Lens?

A scleral contact lens is a large lens that vaults over the cornea (clear tissue) of the eye and fits onto the sclera (white tissue) of the eye. The vault creates a liquid chamber that will keep the eye moist and comfortable providing relief to the dry eye. The lens will also create a smooth optical surface giving the wearer crisp, stable vision.

How msd™ and Onefit™ 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

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

Patient Testimonial:

“The scleral lenses provided a life changing experience. Life is so much simpler for me in terms of completing work and life related activities. I am amazed at the quality of my vision, the comfort level, and the length of time I am able to wear the lenses.”