

About our practice

Advanced Eye Care Professionals provides comprehensive eye care for the entire family. "Our community, your vision, our passion" is AEP's mission. We are part of the community we care for, and the AEP team is passionate about providing excellent care to each patient. In the current health care environment of less personalized care, AEP stands out as a practice that sincerely cares for our patients. From appointment scheduling, through the examination, to the moment a patient leaves the office, it is all about the patient!

Patient Services

- Specialty Contact Lenses
- Scleral Lenses
- Dry Eye Disease Diagnosis and Management
- Keratoconus
- Myopia Control
- Eyewear
- Comprehensive Eye Care and Comanagement of Ophthalmic Surgeries

Contact Us Today

To make an appointment, refer a patient, inquire about more information or to speak with one of the doctors or staff on our team, please call:

Advanced Eye Care Professionals, P.C.
Casey L. Hogan, O.D., F.A.A.O.,
Diplomate, American Board of Optometry

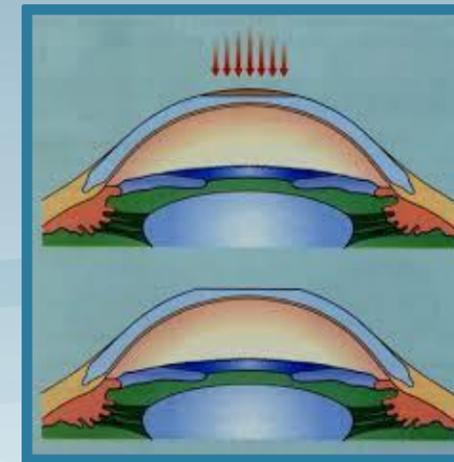
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When Vision Correction is Needed Post-Refractive Surgery

Scleral Lenses Can Help



*Refractive surgery changes the shape of the cornea,
usually flattening the central portion*



What is Refractive Surgery?

Refractive surgery is a procedure to surgically reshape the eye. LASIK, PRK and RK represent some of the procedures performed. LASIK, a widely used procedure, uses a laser to change the shape of the cornea (clear window on the front of the eye), usually flattening the center and redirecting light to focus on the retina. Typical outcomes can deliver legal driving vision (20/40) without the use of contact lenses or eyeglasses.

Refractive Surgery Options

Refractive surgery has become a widely accepted option for vision correction. The most common procedures are LASIK, PRK and RK. Radial keratotomy (RK) has been available the longest. All of these procedures change the shape of the cornea and make it somewhat irregular and more difficult to fit with contact lenses should it become necessary.

What If My Surgical Outcome is Not Optimal?

If you are among those that have a less than optimal outcome with your refractive surgery procedure, your options for visual correction will be different than they were prior to the surgery. The shape of your cornea will be irregular (see image) and you may not be able to get crisp vision through eyeglasses or soft contact lenses. Rigid lenses will offer good vision, but comfort may not be ideal. Your best option is scleral contact lenses.

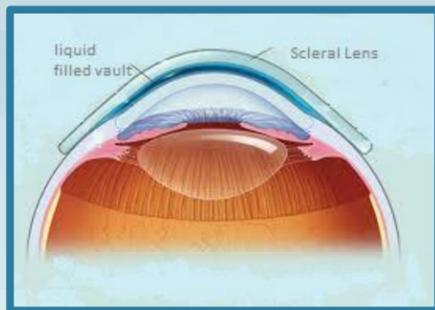


Image of a scleral lens vaulting the cornea maintaining a cushion of tears.

What is a Scleral Contact Lens?

A scleral lens is a large, comfortable lens that vaults over the cornea (clear tissue on the front of the eye) and fits on the sclera (white of the eye). Scleral lenses can be an excellent choice for a patient who has had refractive surgery. The scleral contact lens creates a new regular surface on the front of the eye and the irregular corneal surface is filled in with tears. The result is clear, distortion-free vision!

My eyes feel dry after surgery, can scleral lenses help?

The most common post-surgical complication of LASIK is dry eye. Nearly all patients will experience symptoms of dryness that may include burning, redness, variable vision and grittiness. For many patients, these symptoms will fade during the post-operative period and become transient rather than consistent. For some, the symptoms will become chronic and even severe.

A few reasons a post-LASIK patient may suffer dry eye symptoms are: corneal nerve damage during surgery, post-operative inflammatory changes and a change in the shape of the cornea affecting the relationship of the eyelids to the front surface of the eye.¹ Scleral lenses are an excellent solution to offer relief from dry eye symptoms while also providing crisp, stable vision.

¹ www.ncbi.nlm.gov Post LASIK Dry Eye; Ron M. Shtein

How the Blanchard msd™ and Onefit™ Scleral Lenses Work

msd™ and Onefit™ scleral lenses are unique designs which create optics that eliminate the post-surgical irregular corneal surface and provide corrected vision. The lenses are made of materials that allow oxygen pass through the surface, and they provide a thin vault containing fluid that makes them very comfortable, reduces redness and creates a healthy environment for the eye. A study by Segal O., Barkena Y., Hourovitz D. et al, reports that 86% of patients fit with scleral lenses for dry eye symptoms experienced a marked improvement in quality of life as a result of improved vision and a reduction of discomfort. Onefit™ Scleral lenses are available in a multifocal design for patients with presbyopia needing help with their near vision in addition to their distance correction.

The msd™ and Onefit™ scleral lens offer three critical benefits to post-surgical patients:

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 (liquid bandage) between the lens and cornea keeping the eye moist, comfortable and healthy



Scleral lenses vault the eye

Patient Testimonials:

I had surgery to correct my vision several years ago. My vision was great, until a couple of years ago when I started having problems with my distance vision. I could not wear soft or hard lenses and be comfortable or see that well, and I used drops to help with my dry eyes. Now I wear Onefit lenses and can't believe how well I can see or how comfortable they are. I even find myself using less of the drops for my dry eyes. These Onefit lenses have restored my quality of life!

J.F. 45 year old male; dry eyes after surgery; Denver, CO

I LOVE my new msd lens! It has been over a month now and each and every morning when I put it in, I am amazed all over again. 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 other one is "just there." What an amazing product.

S.B. -56 year old female; West Hartford, CT