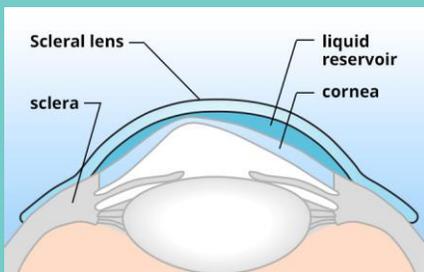




How Scleral Lenses Work

Scleral lenses incorporate a unique design that eliminates irregularities in the shape of the front surface of the eye 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 the eye that makes them very comfortable, reduces redness, and creates a healthy environment for the eye. The lens is appropriate for most prescriptions and is available for patients who need help reading (multifocal/bifocal) and those with astigmatism (torics).



Can I wear contact lenses if I have to wear reading glasses?

Yes, a person with presbyopia (the need to wear reading glasses) can wear contact lenses! Many options are available to you. Some designs can be challenging with certain types of prescriptions, but the multifocal scleral lens meets the challenge of most prescriptions and provides vision at long and short distances and everything in between. The right contact lens can give you a competitive edge!

Who can benefit from scleral contact lenses?

People with:
Post-Refractive Surgery
Dry Eye Symptoms
Keratoconus & Other Corneal Conditions
Post-Corneal Transplant



www.completeeyecare.net



Scleral Lenses

Scleral contact lenses have allowed thousands of patients who have suffered vision loss due to keratoconus, post-refractive surgical complications, severe dry eyes, post-R-K surgery, post-LASIK surgery, and a host of other corneal conditions to see clearly and comfortably once again.

If you've been told in the past that you cannot wear contact lenses, or had trouble with contact lens comfort, be sure to ask about scleral contact lenses.

Contact Us Today!

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frontdesk@completeeyecare.net
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1200 Spruce Street, Belmont, NC 28012

How Scleral Lenses Can Help

Scleral lens technology is a fast growing area of the contact lens industry.

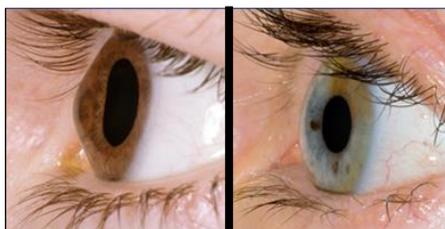
Scleral contacts are large-diameter, gas permeable contact lenses designed specifically to vault over the entire corneal surface and rest on the “white” of the eye (sclera). In doing so, scleral lenses functionally replace the irregular cornea with a perfectly smooth optical surface to correct vision problems caused by **keratoconus** and other corneal irregularities.

Also, the space between the cornea and the back surface of a scleral lens acts as a fluid reservoir to provide comfort for people with **severe dry eyes** who otherwise could not tolerate contact lens wear so scleral contacts also help provide a contact lens solution for people with dry eyes.

Dr. Barbara Marcussen has been fitting scleral contacts for years. She is the only certified WAVE designer in our area. She uses the WAVE lens system to take a mapping of 11,000 points on the cornea and to individually design a custom scleral lens based on all 11,000 points. This allows her patients to achieve a precise contact lens giving them the clearest possible vision with the best comfort possible in a contact lens.

Keratoconus and Ectasias

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 bend and focus light entering the eye. A normal cornea will have a smooth shape. A cornea with an ectasia will have an irregular shape or a bulge. This irregular corneal shape does not focus 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.



The shape of a normal cornea (right) contrasted with a cornea affected by a keratoconus ectasia (left).

Keratoconus is the most common ectasia. The cause of the condition is not clearly known, but it can occur in all races and both sexes. It is a condition in which the cornea thins and bulges into a cone shape causing distorted vision. Scleral contact lenses are the best option for people with keratoconus.

A study has shown that scleral lenses can offer you the comfort you initially get with a soft lens, with sustained comfort, and the sharp vision provided by rigid, gas-permeable lenses. Scleral lenses deliver:

- All day comfort that is consistent from morning until night
- Clear vision that does not fluctuate
- No risk of the lens popping out during sports
- A healthy environment for your eyes
- Correction for astigmatism, presbyopia, and irregular corneas

Patient

Testimonials:

“I have never seen better! My bifocal scleral contacts allow me to see distance and close up. When I wore glasses, they would fog up at work when I went into the cooler. Now, I see clearly all day!”

-Brian T.
48 years old

“I can’t believe how well I see out of my scleral contacts! My vision is better than it ever was and they do not make my eyes dry or irritated after wearing them all day.”

-Laura H.
50 years old

“My vision was never very clear in my glasses due to keratoconus and LASIK surgery. Now with my scleral contacts, I have clear, sharp, comfortable vision.”

-David K.
51 years old