



**THE OHIO STATE
UNIVERSITY**

WEXNER MEDICAL CENTER



PROSE
by **BOSTONSIGHT**

Eye Conditions

Thousands of patients with ocular surface disease have had their vision restored with BostonSight PROSE. #Learn how PROSE treatment may be right for you.



PROSE Treatment

For thousands of people suffering with complex ocular surface disease, PROSE may be the ideal, and sometimes only, treatment capable of restoring visual function and reducing eye pain and light sensitivity.

PROSE (prosthetic replacement of the ocular surface ecosystem) is a treatment pioneered by BostonSight that restores visual function, supports healing, and reduces symptoms.

The PROSE prosthetic devices created during treatment are transparent domes, about the size of a nickel, that fit under the eyelids and rest on the sclera. The devices are filled with saline each day at the time of application and are removed at bedtime.



How PROSE Works

BOSTONSIGHT PROSE CREATES:

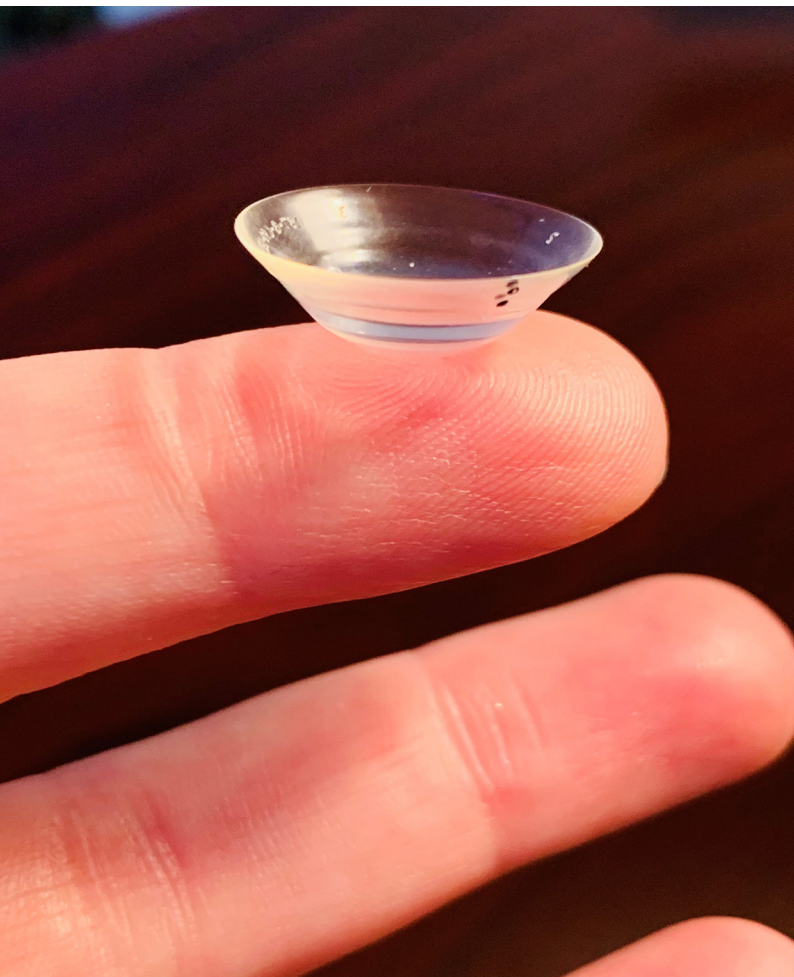
- a new transparent, smooth optical surface over your distorted, damaged, or diseased cornea
- an expanded artificial tear reservoir that provides constant lubrication while maintaining necessary oxygen supply over the ocular surface

TREATMENT TEAM:

PROSE teams include corneal specialist ophthalmologists and optometrists who have completed an intensive PROSE Clinical Fellowship. They work with you, your support system, and your medical providers to develop an effective treatment program, together.

CUSTOMIZATION AND EXPERTISE:

PROSE providers use BostonSight's proprietary software system to custom design each device to your unique eye shape and to maximize ocular surface system function. All PROSE devices are manufactured in Needham, MA, at BostonSight's state-of-the-art lab.



Keratoconus and Ectasia

Corneal ectasia is an umbrella term for a group of conditions that cause a progressive thinning and distortion of the corneal shape. These conditions include keratoconus, keratoglobus, pellucid marginal degeneration, Terrien's marginal degeneration, and post-operative astigmatism related to LASIK, RK, PRK, PTK or corneal transplant. According to the National Eye Institute, approximately one out of every 2,000 people in the United States develops keratoconus, the most common corneal ectasia, in which the cornea thins and bulges outward, forming a cone shape. This change in shape produces blur and distortion of vision. Corneal ectasia may also result in scarring, light sensitivity, and pain.

**"THANKS TO PROSE I was able to put off corneal transplant surgery, which at age 41 was a true blessing from God."
—Keratoconus patient**

For some people with this condition, glasses or contact lenses will adequately and comfortably correct vision. For others, glasses do not work, and it is a struggle to find a good contact lens option as their eyes continue to change. For 10 - 20%, the problem progresses to the point that surgery is considered. Currently, there is no cure for keratoconus.

BUT THERE IS A BETTER TREATMENT OPTION.

Dry Eye Syndrome

Approximately 1 in 100 adults struggles with moderate or severe dry eye syndrome. When you have dry eye disease, you have abnormalities of your tear film. The tear film has three layers that coat the surface of your eyes and aid in providing clear vision while protecting the delicate and sensitive eye tissues.

When these layers are imbalanced, you have dry eye. Dry eye does not necessarily mean your eyes are "dry". You might have chronically watery eyes because of the imbalance. But severe dry eye can be debilitating.

Other symptoms include discomfort (stinging, burning, a gritty feeling, pain) light sensitivity, redness, and visual disturbance with potential inflammation and damage to the ocular surface. This condition can lead to chronic pain, corneal scarring, and loss of vision.

Currently, there is no cure for moderate to severe dry eye.

77% of patients with dry eye reported significant success with BostonSight PROSE.

BUT THERE IS LONG-TERM RELIEF.



Stevens Johnson Syndrome (SJS)

Every year approximately 33,000 people worldwide are stricken with Stevens Johnson Syndrome (SJS), including 1,500 in the United States.

SJS and a more severe variant of the disease, toxic epidermal necrolysis syndrome (TENS), are intense immune reactions to medication or infection. SJS and TENS cause severe blistering of the skin and mucous membranes, including the eyes.

**"I AM A BETTER MOM,
wife and teacher because of what
you do. Thank you from the
bottom of my heart."**

–SJS patient

For as many as 5% of those with SJS and 40% with TENS, the syndrome is fatal.

SJS can permanently damage the inside of the eyelids, causing the lid edges to become rough and develop abnormal fine lashes that rub against the cornea. SJS also damages tear, mucous, and oil glands that are critical to maintaining a healthy ocular surface. SJS can lead to extreme pain and light sensitivity, and scarring resulting in blindness.

Currently there is no cure for the damage to the eyes caused by SJS.

BUT THERE IS HELP.

Graft vs. Host Disease (GvHD)

Graft-versus-host disease (GvHD) is a complication following a bone marrow or stem cell transplant. It is an autoimmune disease that can affect many different parts of the body: the skin, eyes, mouth, stomach, and intestines are affected most often. GvHD can range from mild to life-threatening and there is no cure.

**"My bone marrow transplant gave me
back my life. But I WASN'T ABLE TO
ENJOY THAT LIFE UNTIL I GOT PROSE."**

**–Robert S., patient
Fred Hutchinson Cancer
Research Center**

Approximately 75% of bone marrow or stem cell transplant survivors are diagnosed with chronic Graft vs. Host Disease (GvHD).^{*} Ocular GvHD is a complication that affects up to 80% of patients with chronic GvHD. Eye-related symptoms include blurry vision, foreign body sensation, burning sensation, severe light sensitivity, chronic conjunctivitis (pink eye), dry eyes, and eye pain.

**76% of patients with OCULAR GvHD
reported significant success with
BostonSight PROSE.**

2010 survey of 1,000 PROSE Patients

WHAT PATIENTS SAY

"I cannot ever go without my devices. They are a miracle for comfort. Without them, I would be sitting in a dark room in pain, with a hot compress over my eyes."

— Dry Eye patient

"I went from being an active, working mom to being totally incapacitated. PROSE treatment gave me my life back after 17 years of pain, FDA studies, and no success in treating my symptoms."

—SJS patient





BostonSight has saved the sight of thousands of individuals suffering from ocular surface disease, corneal disease, injury, or damage with BostonSight PROSE treatment.

The expanding BostonSight PROSE Network includes top-ranked academic medical centers, improving access to PROSE treatment and restoring sight to thousands of patients worldwide.

BostonSight envisions a world where no one suffers loss of sight from corneal irregularities or ocular surface disease.

LOCATIONS and APPOINTMENTS

BostonSight PROSE treatment is available through a growing network of top-ranked academic medical centers and clinics across the United States and Canada. Each provider site is independently operated, managing their own scheduling, insurance, and ongoing care.

FIND A LOCATION NEAR YOU

www.bostonsight.org/find-a-provider

INSURANCE COVERAGE

Many major insurance carriers cover PROSE treatment and services. Financial assistance may be available for those who qualify. Contact the BostonSight PROSE Provider closest to you for more information.

PHYSICIAN REFERRALS

To refer a patient for PROSE treatment to the BostonSight, Needham, MA, clinic or another BostonSight Network Clinic, visit www.bostonsight.org/practitioners/refer-a-patient/

www.bostonsight.org

BostonSight
464 Hillside Ave, Suite 205
Needham, MA 02494

go.osu.edu/prose

OSU Eye and Ear Institute
915 Olentangy River Road
Columbus, OH 43212