



BOSTON FOUNDATION *for* SIGHT

## Dry Eye: How PROSE Treatment Can Help

### Dry Eye in Perspective

Approximately 1 out of every 50 adults struggles with dry eye, a complex disease of the tears and ocular surface. Symptoms include pain, light sensitivity, redness, burning, foreign body sensation, visual disturbance and/or tear film instability, with potential inflammation and damage to the ocular surface.





If left untreated, this condition can lead to severe pain, ulcers, corneal scarring, and/or some loss of vision.

Of the millions of people with dry eye, 60% have mild cases that are well managed with over-the-counter treatments such as artificial tears. Although additional treatments are available for those with moderate (30%) or severe (10%) dry eye, many ophthalmologists agree that these options are not sufficient or very effective for many patients.

Currently, there is no cure for moderate to severe dry eye - **but there is long term relief.**

**“THE PAIN OF THIS ILLNESS** is hard to describe to someone who has not experienced it, and it changes your life in ways you can’t imagine.”

- Dry eye patient

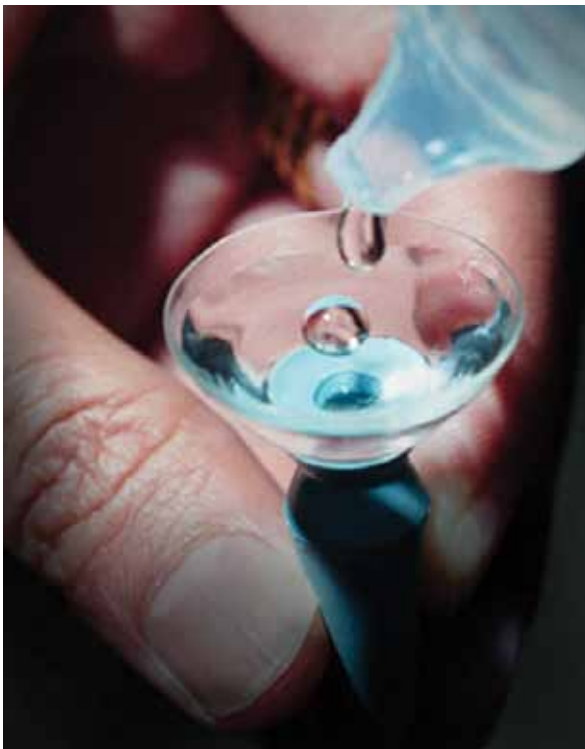
## HELP FOR DRY EYE

Hundreds of patients with moderate to severe dry eye -just like you- have had their vision restored and quality of life transformed with our innovative treatment: prosthetic replacement of the ocular surface ecosystem (PROSE).

Pioneered by Boston Foundation for Sight and also available at fifteen top ranked medical centers across the globe, PROSE uses FDA-approved custom made prosthetic devices to replace or support impaired ocular surface system functions that protect and enable vision.

PROSE treatment can improve vision and alleviate symptoms in patients with dry eye associated with a number of conditions, including:

- Stevens Johnson syndrome
- Chronic ocular graft versus host disease (GVHD)
- Sjogren’s syndrome, primary or secondary
- History of eye surgery, such as LASIK, PRK, RK or cornea transplantation
- Herpes zoster (shingles)
- Herpes simplex (ocular herpes)
- Dry eye syndrome

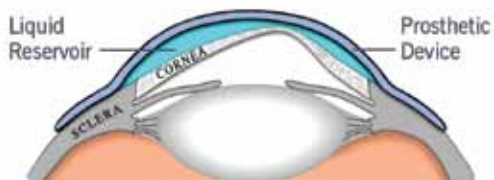




## PROSE TREATMENT

The prosthetic devices created during PROSE are transparent domes, about the size of a nickel, made of gas-permeable plastic that allows oxygen to reach the ocular surface.

Devices fit under the eyelids and rest on the sclera (the relatively insensitive white tissue of the eye), vaulting the damaged cornea and creating a new smooth optical surface that protects the eye from the environment and blink trauma. The devices are filled with saline at the time of insertion, creating a reservoir of fluid that continuously bathes the eye in oxygenated artificial tears while being worn during waking hours.



## BENEFITS OF PROSE

- Reestablishes a healthy and stable ocular surface environment that supports healing and reduces symptoms
- Improves blurry vision by masking surface corneal irregularities and transmitting a sharp image to the back of the eye
- Prevents further damage by protecting and shielding the cornea against the environment and eyelids

**“I CANNOT EVER GO** without my devices. They are a miracle for comfort. I would be in a dark room with a hot compress over my eyes and in pain if I didn't have them.” -Dry eye patient

## DRY EYE SYMPTOMS

In 2010, Boston Foundation for Sight conducted an online survey of more than 1,000 people with corneal disease. For the 511 survey respondents with dry eye, including 154 PROSE patients:

- 84% had moderate or severe eye pain
- 81% had difficulty reading regular print newspapers, magazines or websites
- 77% had moderate or severe light sensitivity
- 75% had difficulty driving at night
- 74% had difficulty with work or hobbies that require seeing up close

## TREATMENT SUCCESS

We also asked dry eye respondents about their success with a variety of treatments. Here is what they had to say about the most common:

- 4% had significant success with oral antibiotics, fish or flaxseed oil
- 4% with punctal plugs
- 5% with topical immunosuppressant medications (Cyclosporine/Restasis)
- 8% with topical steroids
- 13% with artificial tears, lubricant gel, or lubricant ointment

**77% had significant success with PROSE**





## Restoring Sight — Reclaiming Lives

Boston Foundation for Sight is an internationally renowned nonprofit eye healthcare organization with a mission to improve the quality of life for patients and their families by transforming the understanding, treatment and care of complex corneal disease. Since our founding in 1992, we have restored vision to thousands of patients.

We enjoy partnerships with the acclaimed Massachusetts Eye and Ear and New England College of Optometry; each year Cornea Fellows and Optometry Residents come to BFS to be educated in the latest treatments for corneal disease, and join our medical staff in clinical research on cutting-edge tools in the fight against insidious diseases of the ocular surface system.

### PATIENT SERVICES AND AMENITIES

Compassionate care is at the heart of our approach to patients and their families. We strive to make the entire treatment experience as supportive and healing as possible.

Our 13,000 square foot facility includes a state-of-the-art manufacturing lab, a Medical Institute with 13 exam and training rooms, and a Clinical Research Center. Our Patient and Community Support Center resources include facilitated one-to-one and group conversations; community networking, outreach and educational events; and our Connected Visions blog, PROSE Eye View e-bulletin, and Facebook community.

Visit [www.bostonsight.org](http://www.bostonsight.org) to learn more.



Complimentary breakfast and lunch are served in our community kitchen. Throughout the day between appointments, patients can be found relaxing in our low-light quiet room, catching up with work or family via wireless internet in our lounge, or watching a DVD and playing games in our media room. The BFS apartment, a short walk from our facility, is available to out-of-town patients for a small fee. We coordinate a private car service, and onsite parking is ample and free.

### CALL US TODAY FOR A CONSULTATION!

Contact our New Patient Affairs department today at 781-726-7501 to learn more or set up a medical consultation.

### FOR PHYSICIAN REFERRALS

For new patient referrals or inquiries from medical professionals please call our Physician Referral Hotline at 781-726-6033.

Fill out our Physician Referral Form online at [www.bostonsight.org/doctors](http://www.bostonsight.org/doctors) and fax it along with your last note to 781-726-7311.





## Meet Our Doctors



Perry Rosenthal, MD  
FOUNDING PRESIDENT



Deborah S. Jacobs, MD  
MEDICAL DIRECTOR



Ryan Ridges, MD



Lynette Johns, OD, FAAO



Karen S. Carrasquillo,  
OD, PHD, FAAO



Alan Kwok, OD, FAAO

## PROSE Providers

ALKEK EYE CENTER  
Baylor College of Medicine, Houston, TX

BROOKE ARMY MEDICAL CENTER  
San Antonio, TX

DOHENY EYE INSTITUTE  
University of Southern California, Los Angeles, CA

ILLINOIS EYE AND EAR INFIRMARY  
University of Illinois College of Medicine, Chicago, IL

KELLOGG EYE CENTER  
University of Michigan, Ann Arbor, MI

MASSACHUSETTS EYE AND EAR  
Boston, MA

NORTH SHORE — LIJ HEALTH SYSTEM  
Great Neck, NY

PROCTOR FOUNDATION  
at University of California, San Francisco, CA

WEILL CORNELL EYE ASSOCIATES  
Weill Cornell Medical College, New York, NY

WILMER EYE INSTITUTE  
at Johns Hopkins, Baltimore, MD

Each PROSE provider is independently operated, managing its' own scheduling and insurance and provides ongoing care.

[www.bostonsight.org/providers](http://www.bostonsight.org/providers) for the most current list, including PROSE clinics in India, Iran and Japan.