



BOSTON FOUNDATION *for* SIGHT

Dry Eye and GVHD: How PROSE Treatment Can Help

“MY BONE MARROW TRANSPLANT GAVE me back my life.
But I wasn’t able to enjoy that life until I got PROSE.”

-Robert Strom, patient, Fred Hutchinson Cancer Research Center





GVHD AND THE EYE

In 2009, over 25,000 patients worldwide received allogeneic (donor source) stem cell or bone marrow transplants; that number continues to rise every year. Approximately half of these patients develop chronic graft-versus-host disease (GVHD), a posttransplant complication in which T cells from the donor graft recognize the host's tissues as foreign and mount an immunologic attack.

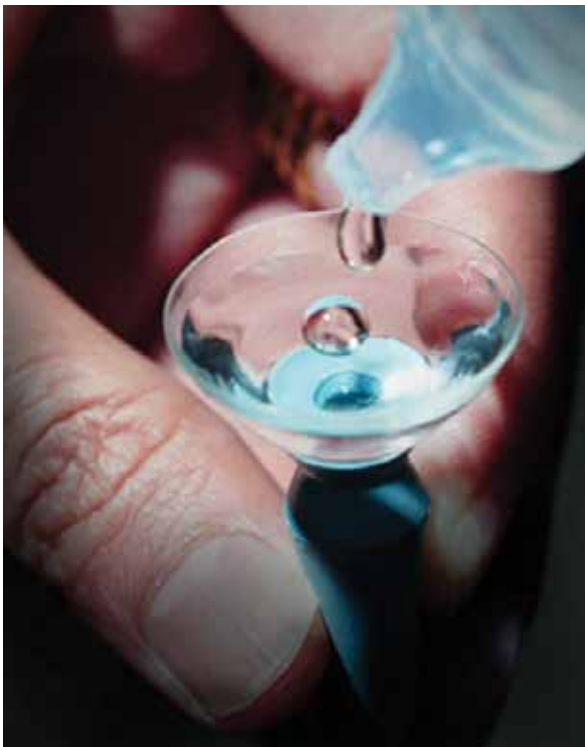
Ocular GVHD is a major complication that affects 60% of patients with chronic GVHD. Symptoms include blurry vision, dry eye, burning, foreign body sensation, gritty sensation, pain, and light sensitivity. Currently there is no preventative treatment for chronic ocular GVHD - **but there is relief.**

PROSE TREATMENT

Hundreds of patients with chronic ocular GVHD -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.

“MY QUALITY OF LIFE improved a great deal... Now, I can watch TV, read and work, which I could not do before because of the constant discomfort in my eyes.”
- GVHD patient





PROSE TREATMENT

The prosthetic devices used in 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

SYMPTOMS AND TREATMENT SUCCESS

In 2010, Boston Foundation for Sight conducted an online survey of more than 1,000 people with corneal disease, the majority of whom suffer with dry eye.

For the 51 survey respondents diagnosed with ocular GVHD, including 41 PROSE patients:

- 96% had moderate or severe pain
- 87% had difficulty reading regular print newspapers, magazines or websites
- 85% were very worried about their sight
- 80% had difficulty with work or hobbies that require seeing up close
- 75% had trouble driving at night

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

- 0% had significant success with oral antibiotics, fish oil or flax seed oil
- 0% with topical immunosuppression (Restasis / cyclosporine)
- 0% with punctal plugs
- 0% with topical steroids
- 7% with artificial tears, lubricant gel, or lubricant ointment

76% 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 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 and fax it along with your last note to 781-726-7311.





Meet Our Doctors



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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 for the most current list, including PROSE clinics in India, Iran and Japan.