



## Stevens Johnson Syndrome: How PROSE Can Help

**“PRIOR TO GETTING PROSE**, life was hard. Everything that I loved to do was slipping away...that all changed the day I got PROSE.” -SJS patient





## SJS AND THE EYE

Every year approximately 33,000 people are stricken with Stevens-Johnson syndrome (SJS); 1,500 in the United States. SJS and a more severe variant of the disease, toxic epidermal necrolysis syndrome (TENS), are intense immune sensitivity reactions to medications or infections. SJS/TENS can cause severe blistering of the skin and mucous membranes, including the eyes. For as many as 5% of those with SJS and 40% of those with TENS, the syndromes are fatal.

SJS/TENS can permanently damage the inside of the eyelids, causing the margins to become rough and develop abnormal fine lashes that rub against the cornea. The syndrome also damages tear and oil glands that are critical to maintaining a healthy ocular surface ecosystem, causing impaired vision and extreme pain and light sensitivity. Left untreated, it can lead to extensive tissue damage and scarring that can result in blindness.



## 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 sixteen 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.

**“I WENT FROM BEING AN** active working single mom to being totally incapacitated. PROSE gave me my life back after 17 years of pain, FDA studies, and no success in treating any of my symptoms.”  
- SJS patient

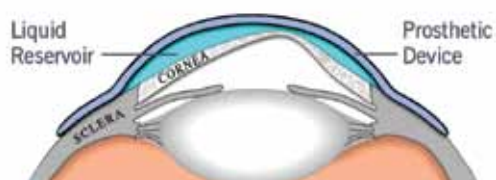




## PROSE TREATMENT

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

For hundreds of SJS/TENS patients whose vision was restored with PROSE, the real payoff is reclaiming their independence - and their lives.

## SJS/TENS SYMPTOMS

In 2010, Boston Foundation for Sight (BFS) conducted an online survey of more than 1,000 people with corneal disease.

For the 156 survey respondents diagnosed with SJS/TENS, including 37 PROSE patients:

- 80% had moderate or severe light sensitivity
- 76% were worried about their eyesight
- 76% had eye pain or discomfort
- 69% had difficulty reading regular print newspapers, magazines or websites
- 68% had difficulty driving at night

## TREATMENT SUCCESS

BFS also asked SJS/TENS respondents about their success with a variety of treatments. Here is what they said about the most common:

- 10% had significant success with topical immunosuppression (Restasis/cyclosporine)
- 12% with topical steroids
- 13% with topical antibiotics
- 18% with artificial tears, lubricant gel, or lubricant ointment

## 90% had significant success with PROSE





## About PROSE Providers

As of March 2012, there are seventeen top-ranked specialty eye care institutes located in academic medical centers and clinics in the U.S. and abroad that offer PROSE.

During their treatment, each patient is partnered with cornea specialists and an optometrist who has completed an intensive nine-week PROSE Clinical Fellowship at Boston Foundation for Sight.



PROSE treatment teams will work with you and your support network to understand your specific needs, and to create devices that successfully replace ocular surface system functions, improve vision and restore your quality of life.

PROSE providers are independently owned and operated, managing scheduling and insurance and providing ongoing care.

Please contact a PROSE provider today to make an appointment or visit [www.bostonsight.org](http://www.bostonsight.org) to learn more about how PROSE can help you!

## PROSE Providers

ALKEK EYE CENTER, HOUSTON, TX  
Baylor College of Medicine  
(713) 798-6109 [www.bcm.edu/eye](http://www.bcm.edu/eye)

BASCOM PALMER EYE INSTITUTE, MIAMI, FL  
University of Miami  
Opening Spring 2012

BOSTON FOUNDATION FOR SIGHT, NEEDHAM, MA  
(781) 726-7337 [www.bostonsight.org](http://www.bostonsight.org)

BROOKE ARMY MEDICAL CENTER, SAN ANTONIO, TX  
(210) 916-9900

DOHENY EYE INSTITUTE, LOS ANGELES, CA  
University of Southern California  
(323) 442-6337 [www.doheny.org](http://www.doheny.org)

ILLINOIS EYE AND EAR INFIRMARY, CHICAGO, IL  
University of Illinois College of Medicine  
(312) 996-5410 [www.uic.edu/com/eye](http://www.uic.edu/com/eye)

KELLOGG EYE CENTER, ANN ARBOR, MI  
University of Michigan  
(734) 232-8400 [www.kellogg.umich.edu](http://www.kellogg.umich.edu)

MASSACHUSETTS EYE AND EAR  
Boston, MA

NORTH SHORE — LIJ HEALTH SYSTEM, GREAT NECK, NY  
Great Neck, NY [www.northshorelij.com](http://www.northshorelij.com)

PROCTOR FOUNDATION, SAN FRANCISCO, CA  
University of California, San Francisco  
Opening Spring 2012

WEILL CORNELL EYE ASSOCIATES, NEW YORK, NY  
Weill Cornell Medical College  
(646) 962-2020 [www.weillcornelleye.org](http://www.weillcornelleye.org)

WILMER EYE INSTITUTE, BALTIMORE, MD  
Johns Hopkins  
(410) 955-5257 [www.hopkinsmedicine.org/wilmer](http://www.hopkinsmedicine.org/wilmer)

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