


2024

# Products & Services



*Learn more about our  
latest offering, CTAK!*

CorneaGen )<sup>TM</sup>

# About CorneaGen

CorneaGen's mission is to provide the highest quality donor tissue, unparalleled customer service and superior products that transform how ophthalmologists treat and care for every person impacted by corneal disease. Through continuous innovations in tissue processing technology and surgical devices, advocacy for patient access and simplified payor reimbursement policies, CorneaGen is advancing the next generation of cornea care.

CorneaGen's latest innovation provides an exciting option for the treatment of keratoconus. Corneal Tissue Addition for Keratoplasty (CTAK) is an innovative solution for keratoconic eyes and offers advanced corneal contouring with patient-specific, laser-cut tissue segments.

As the world's leading eye bank, CorneaGen has multiple locations and local partnerships throughout the U.S. to deliver the life-changing gift of sight to tens of thousands of people each year.

# 126,000+

Over 126,000 corneas processed  
by CorneaGen technicians



# Services

## Corneal Tissue

### **DMEK**

Descemet's Membrane Endothelial Keratoplasty



Descemet's Membrane Endothelial Keratoplasty is one of the latest surgical processing techniques in corneal transplantation that may provide patients with quicker recovery times and better visual acuity. CorneaGen ensures surgeons have access to pre-stripped tissue for this advanced procedure.

Learn how to get started with DMEK at [CorneaGen.com/DMEK](https://www.corneagen.com/DMEK)

### **PRE-PUNCHED DMEK GRAFTS**

Shipped scrolled, pre-stained and ready to place in your insertion device of choice for easier, faster, and safer DMEK procedures.

Save O.R. time with the Geuder Pre-Loaded Glass Cannula for DMEK

## DSEK

### Descemet's Stripping Endothelial Keratoplasty



CorneaGen works directly with each surgeon to identify their graft thickness preferences.

Ultra-thin DSEK grafts are available upon request. This graft consists of the endothelium, Descemet's membrane and an ultra-thin layer of stroma providing nearly the same visual acuity benefits as Descemet's Membrane Endothelial Keratoplasty (DMEK).

## NANO-THIN™ TISSUE

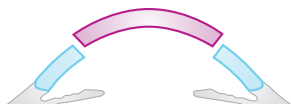
Nano-Thin™ DSEK is the thinnest DSEK tissue available. At less than 60 microns, Nano-Thin™ DSEK is another example of how CorneaGen is reimagining cornea care.

Request Nano-Thin™ tissue at [CorneaGen.com/NanoThin](https://CorneaGen.com/NanoThin)

The EndoSerter® provides accurate graft delivery and placement.

## PKP

### Penetrating Keratoplasty



Standard full-thickness grafts are offered based on the surgeon's predetermined tissue criteria specifications.

## FLAK

### Femtosecond Laser-Assisted Keratoplasty



Mushroom



Tophat



Zigzag

CorneaGen helped develop the methodology to precisely cut corneal tissue using the IntraLase® femtosecond laser to treat a variety of corneal transplant indications. In addition to the popular zigzag, top hat and mushroom tissue shapes, we can prepare the tissue to meet the specific needs of each patient.

## ALK

### Anterior Lamellar Keratoplasty

Partial thickness anterior stromal grafts can be pre-cut upon request or provided for surgeon preparation at time of surgery.

## **BRIGHTMEM™**

### BrightMEM™ Anterior Keratoplasty



BrightMEM™ Anterior Keratoplasty is a surgical procedure that utilizes a BrightMEM™ corneal allograft to improve the conditions of the ocular surface to support the survival, maturation, and multiplication of corneal epithelial cells.

The BrightMEM™ corneal allograft encourages durable regeneration of the corneal epithelium.

Talk to your Surgical Product Specialist today to request BrightMEM™.

## Ampho B

CorneaGen is the first to offer surgeons the option of requesting Amphotericin B additive to corneal storage media. This anti-fungal\* additive to storage media helps provide the peace of mind you need to confidently transplant corneal tissue.

Learn more about Ampho B at [CorneaGen.com/AmphoB](https://CorneaGen.com/AmphoB)

\*Data on File



*Adding Ampho B to the medium is just one more way I know CorneaGen has the patient's best interest in mind.*

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MICHAEL BANITT, MD



## Non-Keratoplasty Tissue

### **SCLERA**

CorneaGen can provide surgeons with both whole and  $\frac{1}{4}$  sclera preserved in 95% ethanol. Sclera can be stored at room temperature for approximately two years, but must be reconstituted prior to surgical use.



## **CTAK<sup>®</sup>**

### Corneal Tissue Addition for Keratoplasty

CTAK offers advanced corneal contouring with patient-specific laser-cut tissue segments, gamma-irradiated for sterility and stability, providing enhanced vision, comfort, and the opportunity to regain sight while honoring the gift of donation.

- An innovative solution for keratoconic eyes
- Personalized surgical plans for every patient, saving valuable time and focus in the O.R.
- 100% of patients in clinical trial had improved UDVA
- Maximizes the full potential of donated tissue

Learn more at [CorneaGen.com/CTAK](https://CorneaGen.com/CTAK)



### ***Educational Talk Available***

Peter S. Hersh, M.D.; Steven A. Greenstein, M.D.; and David R. Hardten, M.D. showcase Corneal Tissue Addition for Keratoplasty (CTAK) in this presentation from AAO 2023

During this talk you will learn:

- The history of CTAK from it's conception to today
- Clinical trial overview, published July 2023
- Patient selection, instruments, and procedure steps
- Review of clinical cases

Watch the talk now at [CorneaGen.com/CTAK-AAO](https://CorneaGen.com/CTAK-AAO)



*CTAK is a fantastic procedure for patients with keratoconus that markedly improves uncorrected and best corrected vision without need for a more invasive PK or DALK.*

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**ELIZABETH DAVIS, M.D., F.A.C.S**

Minnesota Eye Consultants

VISIONGRAFT®







VisionGraft® is a sterile, non-immunogenic, cross-linked cornea, successfully used in more than 100,000 ocular surgeries.

For Glaucoma

- Precisely processed to cover tubes from glaucoma drainage device procedures
- Tectoic support for revisions of trabeculectomy flaps and exposed tube shunts

Applications for Cornea

- Treats corneal melts, ulcers, and perforations
- Anterior Lamellar Keratoplasty
- Tectonic/therapeutic PKP
- Keratoprosthesis ring

Code	Description	Shape
C0101AL	Whole Cornea with Scleral Rim	
C0100AL	Whole Cornea without Scleral Rim	
C0300AL	Split Thickness Full Moon	
C0301AL	Split Thickness Half Moon	
C0302AL	Split Thickness Third Moon	
C0400AL	K-Pro Ring	

## Tissue Reimbursement Assistance

At CorneaGen, we are advocates for you and your patients. We're committed to removing systemic barriers that limit patients' access to care and ophthalmologists' ability to provide effective corneal treatments to their patients.

We offer complimentary tissue reimbursement consultation services through NMD HealthCare Consulting and have information regarding tissue processing codes and billing.

For reimbursement assistance visit [CorneaGen.com/Reimbursement](https://CorneaGen.com/Reimbursement)

## Education

To advance the transfer of knowledge within the cornea ecosystem, CorneaGen provide world-class surgeon educational offerings. This program shares the latest innovations for treating the cornea and includes the first ever peer-reviewed DMEK wet labs and an extensive educational webinar series featuring insights from leading corneal experts.

CorneaGen also offers one-on-one training for our products and devices with an experienced Surgical Product Specialist.

Find the educational opportunity for you at [CorneaGen.com/Education](https://CorneaGen.com/Education)

## EYE BANK EXPERIENCE PROGRAM FOR FELLOWS

CorneaGen's one-of-a-kind Eye Bank Experience Program for corneal fellows provides valuable educational insight into the operational and processing expertise required to provide surgeons with the best quality tissue for their patients.

### *Enrollment is Open!*

CorneaGen is enrolling fellows today for this unique program. Visit [CorneaGen.com/Fellows](https://CorneaGen.com/Fellows) to learn more.

# Devices

## ENDOSERTER®-PL

This exclusive, FDA approved, single-use graft insertion device is pre-loaded with expertly processed Nano-Thin™ or Ultra-Thin DSEK tissue.

- Designed to allow consistent allograft positioning
- Simplifies the procedure, maximizing O.R. efficiency
- Reduces endothelium manipulation in the O.R.

Experience DSEK redefined. Learn more at [CorneaGen.com/www](https://www.CorneaGen.com)



## **ENDOSERTER®**

### Corneal Endothelium Delivery Instrument

The EndoSert® is a unique single-use, disposable device used to implant donor allograft tissue during DSEK procedures. The EndoSert simplifies the surgical procedure.

- Consistent, controlled placement of donor tissue
- Integral irrigation
- Single 4mm incision

The EndoSert provides accurate graft delivery and placement with minimal endothelial contact.



### *International Surgeons*

International surgeons can access this revolutionary technology from one of our distributors. Visit [CorneaGen.com/EndoSert](https://www.CorneaGen.com/EndoSert) to learn more.

### *Free Trial of the EndoSert*

CorneaGen offers a free trial to corneal transplant surgeons in the U.S.

Contact us today at 1-844-526-7632 to schedule your in-service and free trial, or email us at [Products@CorneaGen.com](mailto:Products@CorneaGen.com) to get started.

## GEUDER PRE-LOADED GLASS CANNULA FOR DMEK

The Geuder *Pre-Loaded* Glass Cannula for DMEK is a single-use transportation cartridge system, pre-loaded with DMEK tissue pre-punched to a specified diameter, stained and with orientation markings. Optimized with an ergonomically designed transportation cartridge allowing easy removal of the cannula, this innovative device comes with the DMEK graft ready-to-insert, simplifying the procedure and saving you time in the O.R.

- Graft is pre-loaded, pre-punched, stained, and marked
- Ergonomic cartridge specifically designed for ready-to-insert graft
- Geuder Cannula connects directly to syringe and uses consistent 2.4mm incision
- Simplifies DMEK and saves time in the O.R.





### *Educational Webinars Available*

## Advanced DMEK: Complicated Cases

In a series of three engaging panel discussions Dr. Fram, Dr. Kim and Dr. Yeu share and discuss their more complicated DMEK cases, what you should consider before attempting to proceed with a complicated eye for DMEK and answer audience questions about challenging cases

Watch the webinar now at [CorneaGen.com/Advanced-DMEK](https://CorneaGen.com/Advanced-DMEK)

## DMEK Through the Lens of Mentorship and Fellowship

Watch the webinar now at [CorneaGen.com/DMEK-Mentorship](https://CorneaGen.com/DMEK-Mentorship)

## Perfect Your DMEK with the Geuder Pre-Loaded Glass Cannula

Watch the webinar now at [CorneaGen.com/DMEK-Pre-Loaded](https://CorneaGen.com/DMEK-Pre-Loaded)

## Approaching DMEK: A Roundtable Discussion

Watch the webinar now at [CorneaGen.com/DMEK-Roundtable](https://CorneaGen.com/DMEK-Roundtable)

Additional webinars are available in our extensive educational library at [CorneaGen.com/Education](https://CorneaGen.com/Education)

## GEUDER GLASS CANNULA FOR DMEK

CorneaGen presents the Geuder Glass Cannula for Descemet's Membrane Endothelial Keratoplasty (DMEK) procedures.

- Large round opening allows for simple and easy loading
- The small 2.5mm incision size supports a gentle and controlled injection into the anterior chamber.



Watch the instructional video at [CorneaGen.com/Cannula](https://www.corneagen.com/Cannula)

### *Free Trial of the Geuder Glass Cannula for DMEK*

CorneaGen offers a free trial to corneal transplant surgeons in the U.S.

Contact us today at 1-844-526-7632 to schedule your in-service and free trial, or email us at [Products@CorneaGen.com](mailto:Products@CorneaGen.com) to get started.

## INTACS® CORNEAL IMPLANTS (ICI)

Intacs® Corneal Implants are an ophthalmic medical device designed for the reduction or elimination of myopia and astigmatism in patients with keratoconus so that their functional vision may be restored and the need for a corneal transplant procedure can potentially be deferred.



### *Educational Webinar Available*

Join John Berdahl, MD as he shares his experience with Intacs® and crosslinking.

During this webinar, *Crosslinking and Intacs*, you will learn:

- The science, protocols, and economics of crosslinking
- Advanced techniques for crosslinking and Intacs
- Methods to make crosslinking work in your practice
- How to increase accessibility for your patients

Watch the webinar now at [CorneaGen.com/Berdahl](https://CorneaGen.com/Berdahl)

# Instruments

## DONOR TREPHINE PUNCH

Ultra-thin, ultra-sharp blade to minimize undercut.

High-visibility guide allows full visualization throughout the process to help accurately center and reposition the cornea.

Anatomically-correct bowl allows the cornea to center and stay in position, and finger grips allow for a stable base.

*Available with or without vacuum*



## RECIPIENT VACUUM TREPHINE

Ultra-sharp blade allows for a more vertical cut with reduced undercut.

Industry-leading crosshairs designed using military sighting technology enable outstanding positioning and centration.

All-metal ergonomic finger grips provide complete control.



# Partnerships

Need help? Have an idea?

We are listening.

We believe that good ideas come from anywhere. We have a process for working collaboratively with a variety of segments, including; academia, customers, start-ups, and industry. Our customer-centric product development process informs our decisions on what ideas are developed and ensures resources are used appropriately.

We want to hear from you on what we can do to make the next generation of cornea care a reality. Contact us at [Info@CorneaGen.com](mailto:Info@CorneaGen.com)



# Place an Order

## Devices & Instruments

To place an order for a device or instrument, or to request additional information, please contact us.

Phone ..... 1-844-526-7632

Email ..... Products@CorneaGen.com

Online ..... CorneaGen.com

## Corneal Tissue

CorneaGen can create tissue solutions that are customized to your practice from any of our laboratories below.

Seattle, WA Laboratory & 24-hour phone ..... 1-877-682-8502

Baltimore, MD Laboratory & 24-hour phone ..... 1-800-858-2020

Winston-Salem, NC Laboratory ..... 1-844-526-7632

Online ..... CorneaGen.com

# Locations

CorneaGen provides services from the following locations:

## SEATTLE

1200 6th Ave, Ste 300  
Seattle, WA 98101

## BALTIMORE

5520 Research Park Drive, Ste 400  
Baltimore, MD 21228

## BOSTON

300 Bear Hill Road, 2nd Floor  
Waltham, MA 02451

## IRVINE

850 Health Sciences Rd, Ste 2020  
Irvine, CA 92617

## ORLANDO

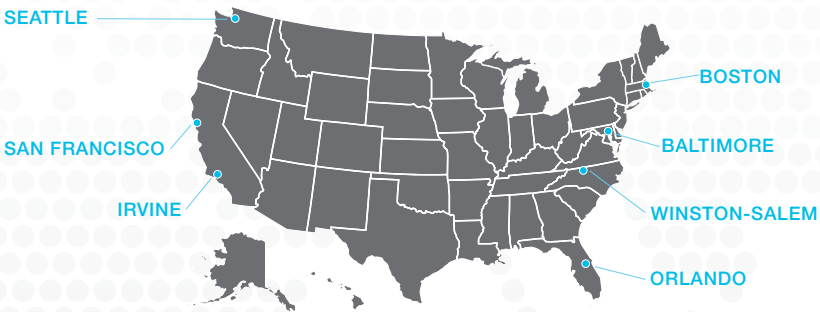
2902 North Orange Ave., Suite I  
Orlando, FL 32804

## SAN FRANCISCO

6000 Shoreline Court, Suite 202  
South San Francisco, CA 94080

## WINSTON-SALEM

101 North Chestnut St, Ste 303  
Winston-Salem, NC 27101





# CTAK

## *Corneal Tissue Addition for Keratoplasty*

- ✓ An innovative solution for keratoconic eyes
- ✓ 100% of patients in clinical trial had improved UDVA
- ✓ Personalized surgical plans for every patient, saving valuable time and focus in the O.R.
- ✓ Maximizes the full potential of donated tissue

CorneaGen<sup>TM</sup>