

2025

Products & Services



*Learn more about our
latest offering, CTAK!*

CorneaGen)TM

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 inlays.

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.

143,000+

Over 143,000 corneas processed
by CorneaGen technicians



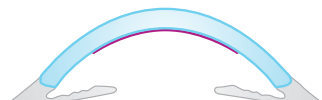
Photo © 2017 Paul Joseph Brown

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

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 a Pre-Loaded DMEK in a Geuder Glass Cannula.

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

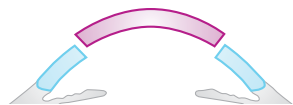
Nano-Thin™ DSEK is the thinnest DSEK tissue available. At less than 60 microns, Nano-Thin™ DSEK is another example of how CorneaGen is reimagining cornea care.

Request Nano-Thin™ tissue at CorneaGen.com/NanoThin

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.

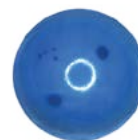
ALK

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 to request 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.

*Data on File



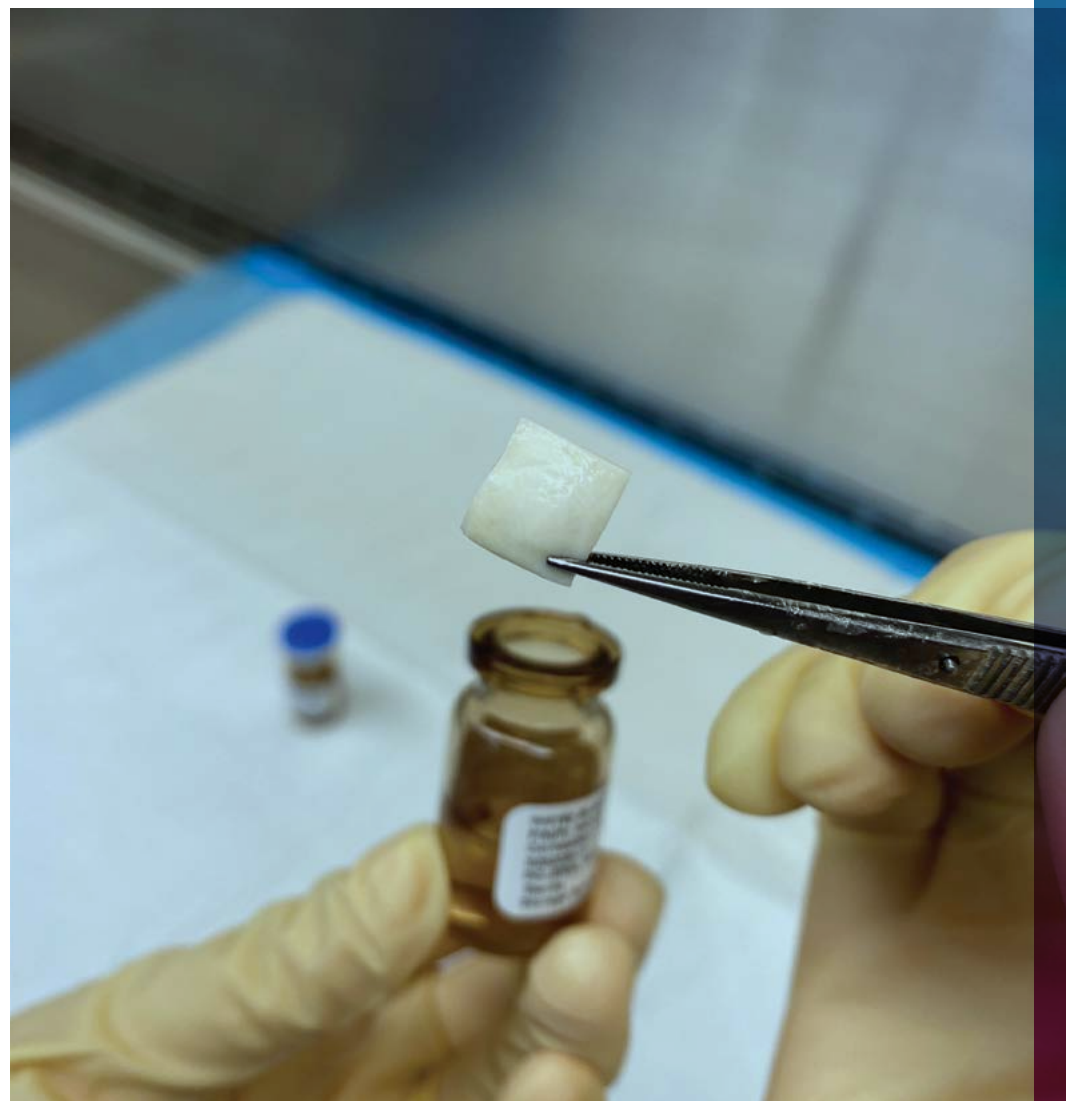
Adding Ampho B to the medium is just one more way I know CorneaGen has the patient's best interest in mind.

MICHAEL BANITT, M.D.

Non-Keratoplasty Tissue

SCLERA

CorneaGen can provide surgeons with both whole and 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[®]

Corneal Tissue Addition for Keratoplasty

CTAK offers an advanced solution for contouring keratoconic eyes to significantly improve sight for patients in need. CTAK was co-developed with CTAK LLC and Ziemer. Using CorneaGen's Custom Tissue Inlays, CTAK provides patient-ready, gamma-irradiated sterile, non-immunogenic donated corneal tissue inlays that are laser-cut and customized to patients' specific severity and cone location.

- An innovative solution for keratoconic eyes
- Personalized surgical plan options 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



*Greenstein, S. A., Yu, A. S., Gelles, J. D., Eshraghi, H., & Hersh, P. S. (2023). Corneal tissue addition keratoplasty: New intrastromal inlay procedure for keratoconus using femtosecond laser-shaped preserved corneal tissue. *Journal of Cataract & Refractive Surgery*, 49(7), 740–746. <https://doi.org/10.1097/j.jcrs.0000000000001187>

CTAK EDUCATIONAL WEBINARS & TALKS

Peter S. Hersh, M.D. and Brandon Ayres, M.D. showcase Corneal Tissue Addition for Keratoplasty (CTAK) in this presentation from AAO 2024.

During this talk you will learn:

- What is CTAK
- Which patients are good candidates for CTAK
- Review of the procedure from Dr. Ayres' clinical footage

Watch the talk now at CorneaGen.com/CTAK-AAO

David Hardten, M.D. and Elizabeth Davis, M.D., F.A.C.S. team up to discuss CTAK, the latest innovation in keratoconus treatment.

During this webinar you will learn:

- Patient selection, instruments and procedure steps
- When to do crosslinking

Watch the webinar now at CorneaGen.com/CTAK-Webinar

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.



ELIZABETH DAVIS, M.D., F.A.C.S
Minnesota Eye Consultants

CTAK TRAINING

We're excited to help you take the first step toward offering this innovative procedure by offering a short 15-20 minute online training course for surgeons interested in offering CTAK in their practice.

The online CTAK training will:

- Introduce you to CTAK and its procedural requirements
- Provide insights into patient selection and surgical planning
- Offer step-by-step instructions to prepare you for hands-on practice

Get started today and be one step closer to enhancing your treatment offerings.

Visit CorneaGen.com/CTAKtraining to sign up!

VISIONGRAFT®








VisionGraft® is a sterile, non-immunogenic, cross-linked cornea, successfully used in more than 125,000 ocular surgeries.

For Glaucoma

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

For Cornea

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

Code	Description	Shape
C0101AL	Full Thickness Whole Moon With Rim (16.0mm)	
C0100AL	Full Thickness Whole Moon Without Rim (16.0mm)	
C0300AL-90	Split Thickness Whole Moon (9.0mm)	
C0301AL-90	Split Thickness Half Moon (9.0mm)	
C0302AL-45	Split Thickness Third Moon (4.5mm)	
C0400AL-85	K-Pro Ring (8.5mm, 3.0mm Center)	
C0400AL-90	K-Pro Ring (9.0mm, 3.0mm Center)	

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

Education

CorneaGen is dedicated to advancing corneal care through world-class educational opportunities for surgeons. Our programs provide training on the latest innovations in corneal treatment, including in-person wet labs at conferences, online training for CTAK and an extensive webinar series featuring insights from leading corneal experts.

Additionally, CorneaGen provides personalized one-on-one training for our products and devices, led by experienced Surgical Product Specialists.

Explore educational opportunities at CorneaGen.com/Education

EYE BANK EXPERIENCE PROGRAM FOR FELLOWS

CorneaGen's one-of-a-kind Eye Bank Experience Program for corneal fellows offers invaluable educational insight into the operational and processing expertise required to deliver the highest quality tissue for patients.

Enrollment is Open!

CorneaGen is now enrolling fellows for two exclusive 2025 sessions in Winston-Salem and Seattle.

Visit CorneaGen.com/Fellows to learn more.

Devices

ENDOSERTER®-PL

This exclusive, FDA cleared, 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. [CorneaGen.com/EndoSert-PL](https://www.corneagen.com/EndoSert-PL)



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.

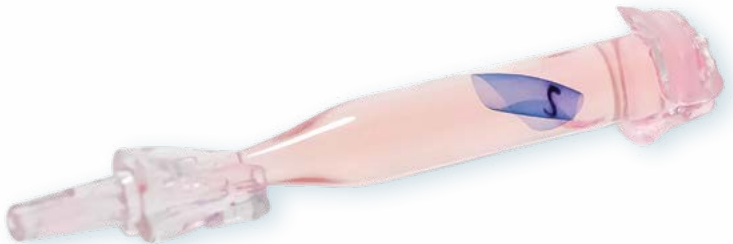
Contact us today at 1-844-526-7632 to schedule your in-service and free trial, or email us at Products@CorneaGen.com to get started.

PRE-LOADED DMEK

In a Geuder Glass Cannula

CorneaGen is the exclusive provider of pre-loaded DMEK in a Geuder Glass Cannula. The single-use transportation cartridge system, pre-loaded with DMEK tissue pre-punched to your specified diameter, stained and with orientation markings will simplify the procedure and save 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.

**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



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.

*For PK only



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



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

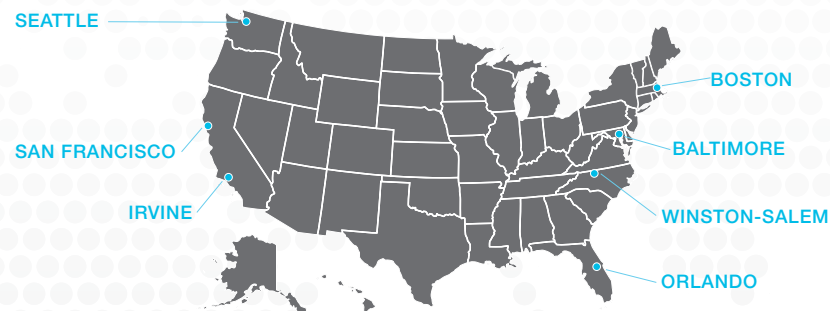
2902 North Orange Ave., Suite I
Orlando, FL 32804

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

- ✓ **Improved Visual Acuity:** Patients report significant visual improvements at day 1 post-op*
- ✓ **Personalized Surgical Plan Options:** CTAK provides personalized surgical plan options for every patient, saving valuable time and focus in the O.R.
- ✓ **Maximizes Tissue Donation:** Honors the gift of donation by utilizing underused cornea tissue

*Data on File

CorneaGenTM