

CORNEA [Request Appointment ▶](#)

TREATING CONDITIONS OF THE CORNEA

The cornea is the clear, outermost layer of the eye that refracts (allows in) the majority of light that allows us to see. This tissue is made up of cells and proteins, but depends on tears and other substances for nourishment. It must remain transparent and free of even the tiniest blood vessels or cloudy areas for the person to see well. Geisinger’s ophthalmology specialists are highly skilled in diagnosing and treating problems like corneal infection, inflammatory disease and corneal irregularities, ocular allergies and tumors, and endophthalmitis.

Among the corneal conditions we treat are:

- Blepharitis** — an inflammation of the eyelids that, if left untreated, can lead to infection or a chronic cyst on the eyelid.
  - Chalazion** — a chronic cyst that develops on the eyelid from the bacterial inflammation of the eyelids (blepharitis).
  - Conjunctivitis** — sometimes called pink eye. Conjunctivitis is an irritation or infection of the membrane that covers the white of the eye and the inside of the eyelid.
  - Corneal abrasion** — a cut or scratch that injures the cornea. These abrasions can be minor, or very serious, like a bad blow or puncture.
  - Dry Eye Syndrome** — a condition in which your eyes do not produce enough lubricating tears (tears that moisten your eyes continually when you blink), causing the eye’s surface to become irritated.
  - DSEK** — (Descemet’s Stripping Endothelial Keratoplasty) involves the minimally invasive replacement of the patient’s diseased corneal endothelium (layer of the cornea) with a donor endothelium. It is often used as an alternative to a corneal transplant.
  - Fuchs’ Dystrophy** — a fluid buildup in the cornea. This may cause swelling, cloudy vision, pain and loss of corneal transparency.
  - LASIK** — minimally invasive surgery that reshapes the corneal tissue to help you see better without corrective lenses. It uses a cool beam of laser light to correct nearsightedness, farsightedness and other common vision problems.
  - Rosacea: Red Eye Irritation** — a chronic skin disease that causes red flare-ups, it can also redden the eyelids, making them feel scratchy and dry.
- We also treat related conditions that can affect the cornea:
- Ankylosing Spondylitis** — a chronic inflammatory disease that causes pain and inflammation of the joints, but can also cause eye inflammation (called uveitis).
  - Reiters Syndrome** — a type of reactive arthritis that can also cause eye inflammation or conjunctivitis.
  - Behcet’s Disease** — a chronic inflammation of blood vessels throughout the body, including the eyes. It can be very serious if the blood vessels in the retina are affected.
  - Sarcoidosis** — a condition that causes clumps of inflamed cells in the lungs, lymph nodes, and eyes.
  - Toxoplasmosis** — a parasitic infection that can cause severe inflammation of the eye, blurring the vision.

For consultations and referrals, call us at (570) 271-6531.

Text Size: [A](#) [A](#) [A](#)

OPHTHALMOLOGY

- [Cataract](#)
- [Contact lenses](#)
- [Cornea](#)
- [Diabetic Retinopathy](#)
- [Eyewear Center](#)
- [Glaucoma](#)
- [LASIK Surgery](#)
- [Low vision](#)
- [Macular Degeneration](#)
- [Neuro-ophthalmology](#)
- [Ocular Testing](#)
- [Oculoplastic surgery](#)
- [Optometry](#)
- [Pediatric Ophthalmology](#)
- [Retinal and Vitreous disease](#)

OPHTHALMOLOGY LOCATIONS

- 

[Geisinger Medical Center](#)  
100 North Academy Ave  
Danville  
570-271-6211
- 

[Geisinger - Shamokin Area Community Hospital](#)  
4200 Hospital Rd.  
Coal Township, PA 17866  
570-644-4200
- 

[Geisinger Wyoming Valley Medical Center- Outpatient Specialty Center](#)  
675 Baltimore Drive  
Wilkes-Barre  
570-808-6400
- 

[Geisinger - Hazleton](#)  
426 Airport Rd.  
Hazleton  
570-459-9730
- 

[Geisinger - Berwick](#)  
2200 West Front Street  
Berwick  
570-759-1228
- 

[Geisinger - Mt. Pocono](#)  
21 Commerce Court  
Mt. Pocono  
570-839-3633
- 

[Geisinger - Lewistown](#)  
21 Geisinger Lane  
Lewistown  
717-242-4200
- 

[Geisinger - State College \(Gray's woods\)](#)  
132 Abigail Lane  
Port Matilda  
814.272.7200