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Mayo Clinic - Department of Ophthalmology

The Department of Ophthalmology and its over 90 faculty throughout the Mayo Clinic Enterprise can trace its roots to the origins of Mayo Clinic in Rochester. Drs. Will and Charlie Mayo began performing ophthalmic surgery soon after joining their father, Dr. William Mayo, in the 1890's.

As Mayo Clinic and the Mayo Clinic Department of Ophthalmology have grown into a highly specialized, multi-disciplined integrated organization, we continue to pursue research that enhances patient care, decreases the burden of ophthalmological diseases, and leads to the development of new diagnostic, therapeutic and preventive interventions. Our patients receive coordinated multi-specialty care for complex eye diseases.

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- Over 250,000 annual patient visits
- Access to and coordination with all subspecialties at Mayo Clinic
- Pediatric and adult programs
- National and international referral center
- Practice niches complement research foci

**EDUCATION**
- Ophthalmology Residency Program
- Ophthalmology Fellowship Programs in Glaucoma, Medical and Surgical Retina, Neuro-Ophthalmology, Oculoplastic and Orbital Surgery, Pediatric Ophthalmology and Strabismus.
- CME/Online Grand Rounds
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- Post-doctoral research fellowships
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- Podcast

**RESEARCH FOCI**
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- Single and multicenter clinical trials
- Ophthalmic epidemiology
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    - Fuchs endothelial corneal dystrophy
  - Glaucoma
    - Novel therapeutic development
    - Mechanisms of disease
    - Artificial intelligence and visual field prediction
  - Pediatric ophthalmology
    - Strabismus
    - Amblyopia
    - Cataracts
  - Ocular melanoma, lymphoma & retinoblastoma
    - Novel therapeutic development
    - Understanding pathophysiology
  - Neuro-ophthalmology
    - Cerebrospinal fluid pressure and eye disease
    - Genetic predisposition of astronauts to vision impairment
    - Imaging modalities to identify underlying causes of disease
  - Medical & Surgical Retina
    - Age-related macular degeneration
    - Diabetic retinopathy
  - Inherited Retinal Disease
    - Retinal prosthesis
    - Vision restoration via stem cell transplantation
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