



# Ophthalmology



**DAVID G. HUNTER, MD, PHD**  
Ophthalmologist-in-Chief

Boston Children's Hospital's Department of Ophthalmology diagnoses and treats a broad range of eye diseases and vision problems in children and adolescents, and offers surgery for adults with strabismus. Our team is equipped to evaluate and treat congenital and childhood cataracts, infantile glaucoma, most eye diseases, vision problems and trauma-related injuries.

## Scheduling

### **Boston Children's Hospital**

300 Longwood Avenue, Fegan 4  
Boston, MA 02115  
617-355-6401 | 1-866-950-EYES (3937) | childrenshospital.org/eyes

### **Boston Children's Hospital Waltham**

9 Hope Avenue  
Waltham, MA 02453  
617-355-6401 | 1-866-950-EYES (3937)

### **Boston Children's Hospital Ophthalmology Foundation at Massachusetts Eye and Ear Infirmary**

243 Charles Street  
Boston, MA 02114  
617-355-6401 | 1-866-950-EYES (3937)

### **Boston Children's Hospital North**

10 Centennial Drive  
Peabody, MA 01960  
617-355-6401 | 1-866-950-EYES (3937)

### **Boston Children's Hospital Lexington**

482 Bedford Street  
Lexington, MA 02420  
617-355-6401 | 1-866-950-EYES (3937)

### **Boston Children's Hospital Physicians South**

Stetson Medical Center  
541 Main Street  
Weymouth, MA 02190  
617-355-6401 | 1-866-950-EYES (3937)

### **Boston Children's Hospital Ophthalmology Foundation at Massachusetts Eye and Ear Infirmary Stoneham**

One Montvale Avenue  
Stoneham, MA 02180  
617-355-6401 | 1-866-950-EYES (3937)

### **Boston Children's Hospital Physicians at Cape Cod**

Cape Cod Eye Building  
282 Route 130 and Cotuit Road  
Sandwich, MA 02563  
1-866-950-EYES (3937)

## Highlights

- 30,000 outpatient visits each year
- Over 1,200 surgical procedures annually
- 11 specialty clinics and programs
- 16 ophthalmologists and five optometrists on staff

## Areas of expertise

Our team evaluates and treats a wide range of conditions, including:

- Amblyopia (lazy eye)
- Blocked tear ducts
- Cataracts
- Conditions requiring oculoplastic surgery
- Conditions requiring vision therapy evaluation
- Congenital cranial dysinnervation disorders
- Eye tumors
- Hemangiomas and lymphangiomas of the eye and orbit
- Infections and inflammations of the eye and orbit
- Neuro-ophthalmological conditions
- Pediatric corneal disease
- Pediatric / juvenile glaucoma
- Ptosis (droopy eyelids)
- Refractive errors (nearsightedness, farsightedness and astigmatism)
- Retina disorders that lead to vision loss
- Retinoblastoma
- Retinopathy of prematurity
- Strabismus (misaligned or crossed eyes)
- Strabismus caused by thyroid disease, stroke, injuries and cancer
- Strabismus in adults
- Tearing eyes
- Traumatic eye injuries

## Clinical programs

### Contact Lens Program

Provides complete contact lens services for infants and children.  
617-355-6401 | [childrenshospital.org/contacts](http://childrenshospital.org/contacts)

### Low Vision Program

Determines the potential benefits of magnifiers, telescopes and other technology in children with reduced vision.  
617-355-6401 | [childrenshospital.org/lowvision](http://childrenshospital.org/lowvision)

### Pediatric and Adult Oculoplastic Program

Offers comprehensive evaluation and correction of disorders of the eyelids, orbit and lacrimal system in babies, children and adults of all ages.

617-355-6401 | [childrenshospital.org/oculoplastics](http://childrenshospital.org/oculoplastics)

### Pediatric and Adult Strabismus Service

Evaluates and corrects strabismus (misaligned or crossed eyes) in babies, children and adults.

617-355-6401 | [childrenshospital.org/strabismus](http://childrenshospital.org/strabismus)

### Pediatric Cataract Service

Uses child-modified equipment and high-tech lens specification ability to treat the most difficult cases of cataracts.

617-355-6401 | [childrenshospital.org/cataract](http://childrenshospital.org/cataract)

### Pediatric Cornea Program

Offers comprehensive evaluation and management of pediatric corneal and ocular surface diseases.

617-355-6401 | [childrenshospital.org/cornea](http://childrenshospital.org/cornea)

### Pediatric Glaucoma Program

Offers specialized care for children with glaucoma by alleviating the pressure inside the eye.

617-355-6401 | [childrenshospital.org/glaucoma](http://childrenshospital.org/glaucoma)

### Pediatric Retinal Degeneration Service

Diagnoses and, where possible, treats retinal disorders causing impaired visual behavior, nystagmus and photophobia.

617-355-6401 | [childrenshospital.org/retina](http://childrenshospital.org/retina)

### Pediatric Neuro-Ophthalmology Service

One of the few pediatric ophthalmology programs in the country with a dedicated specialization in ophthalmic diseases that impact the transmission of visual information to the brain through the optic nerve and the complex processing that generates coordinated eye movements.

617-355-6401 | [childrenshospital.org/neuro-opth](http://childrenshospital.org/neuro-opth)

## Research

Our clinicians and researchers interact to advance pediatric ophthalmology and strabismus and to bring these advances to patients in need. The focus of our basic research is on the major causes of vision loss in children, including retinopathy, amblyopia and strabismus and retinal degeneration, as well as to the promise of vision rehabilitation, including visual object recognition.

Ours is a robust program of clinical investigations and pilot projects carried out in the clinical care setting. We focus on translational work, the development of retinal and visual function in infants and children and investigations into how biological networks encode, process and transmit information.

## Training

Boston Children's offers three, one-year Harvard Medical School-affiliated fellowship positions in pediatric ophthalmology and strabismus, including two Association of University Professors of Ophthalmology-approved positions for United States trainees and one international fellowship position for qualifying candidates. Clinical fellows care for patients at Boston Children's Hospital and at Massachusetts Eye and Ear Infirmary locations and interact closely with clinical and research faculty. Our department also offers an international observership in pediatric ophthalmology for ophthalmologists in practice. This program ranges from one week to four months in duration. Finally, we offer clinical and research electives for medical and graduate students.

## International

Our ophthalmologists have extensive international connections, and encourage families residing outside the United States who have complex conditions to contact us. Boston Children's International Health Services will facilitate the medical review of patient records and appointment scheduling and provide assistance with customs and immigration, transportation and hotel and housing accommodations.

01-617-355-5209 | [childrenshospital.org/international](http://childrenshospital.org/international)  
[international.center@childrens.harvard.edu](mailto:international.center@childrens.harvard.edu)