



PEDIATRIC OPTOMETRY/OCULAR DISEASE RESIDENCY PROGRAM CURRICULUM

The BronxCare Health System (BCHS) Pediatric Optometry/Ocular Disease Residency is a full-time, 52-week residency program, beginning on July 1st and ending on June 30th of each residency year. The focus of the program is threefold: Clinical care, didactic education and scholarly activity. The resident is involved in patient care approximately 80-85% of the time. The resident is expected to have a minimum of 1,200 direct patient encounters by the end of the residency year. The remainder of the resident's time is devoted to didactic activities that take place either on the BCHS campus or off-site. Clinical, didactic and scholarly activities specific to our program are listed below.

Typical Weekly Resident Schedule:

Most mornings, from 7:30 am to about 8:30 am, the resident attends lectures given by the Ophthalmology Faculty to the ophthalmology and optometry residents at the BCHS main hospital. After lecture ends, the resident is expected to attend clinic.

A typical weekly schedule for the resident includes clinic from 8:30am until approximately 4:30pm (including a lunch break) Monday through Thursday. On Friday, the resident may have didactic/educational activities the whole day as part of the SUNY Friday Program Curriculum or he/she is in clinic from 8:30am to 1:00pm, with didactic educational programs from 1:00pm to 4:30pm either at the BCHS campus or off-site as part of the SUNY Friday program.

Additionally, the resident will be on call on average 4 days per month on a rotating basis with the Ophthalmology residents and other Optometry residents.

List of Clinical Activities:

- The resident will provide comprehensive and acute care exams to infants, toddlers, adolescents, and those with strabismus 3 days a week. Under the guidance of an optometrist and ophthalmologist specializing in pediatrics the resident will develop advanced clinical competency in:
 - Various techniques used to gather information on visual function and ocular health in pediatric patients and those with special needs
 - Routine and complex refractive cases

- The diagnosis, treatment, and management of refractive, strabismic, and deprivational amblyopia
 - Binocular disorders
 - Accommodative esotropia
 - Non-refractive strabismus and motility disorders
 - Pediatric ocular conditions, syndromes and diseases
- The resident will examine patients in the NICU alongside the retinal specialist to provide ROP screenings
 - To enhance the resident's skills in the diagnosis and management of ocular disease, the resident will rotate through, and provide care in, primary care Optometry clinics with an emphasis on ocular disease or ophthalmology subspecialty clinics one to two days a week.

Ophthalmology Subspecialty clinics include:

- Retina
 - Neuro-ophthalmology
 - Cornea
- Under supervision of the clinical faculty, the resident will become proficient in advanced clinical skills.
 - Under supervision of the clinical faculty, the resident will learn how to perform and/or interpret results from specialized diagnostic instrumentation used in primary eye care:
 - Digital fundus photography
 - Automated perimetry
 - Corneal pachymetry
 - Ocular coherence tomography (OCT)
 - Corneal topography
 - Intravenous fluorescein angiography (IVFA)
 - A/B ultrasound

List of Didactic Activities:

- SUNY College of Optometry's Friday Program
 - Core Curriculum (required for all residents)
 - Workshop on Public Speaking
 - Writing Workshop (two sessions)
 - Practice Management Workshop
 - Grand Rounds/Lectures (minimum 35 hours)
 - Majors and Minors Presentations
- BronxCare Health System Ophthalmology Department morning lectures

- BronxCare Health System Optometry didactic program
- Attend the American Academy of Optometry's (AAO) annual meeting

List of Scholarly Activities:

- Minor Presentation (20 minutes)
- Major Presentation (50 minutes)
- Submit an abstract for presentation at least one Optometric meeting (i.e. AOA, AAO, SECO, AAPOS).
- Prepare a manuscript for publication in a peer-reviewed optometric journal.
- Case report presentation for the BCHS annual research symposium (5 minutes)