Residency in Ocular Disease / Primary Eye Care  
VA Hudson Valley Healthcare System

CLINICAL CURRICULUM

1. Through direct patient care, the trainee will demonstrate proficiency in the diagnosis and treatment of (minimum requirement):
   a. Ocular conditions associated with systemic disease processes (300);
   b. Glaucoma (300);
   c. Anterior segment disease (100);
   d. Optic nerve disease (100);
   e. Macula disease (100);
   f. Retinal vascular disease (100);
   g. Peripheral retinal disease (100).

2. Under the guidance of the clinical faculty, the resident will demonstrate proficiency in the following diagnostic procedures:
   a. Scleral indentation fundoscopy;
   b. Advanced gonioscopy (e.g., compression gonioscopy and gonioscopic assessment of a trabeculectomy fistula);
   c. Fundus photography;
   d. Advanced visual field analysis;
   e. Contact lens fundoscopy (peripheral retina & macula);
   f. Optical coherence tomography (OCT);
   g. Orbital ultrasonography;
   h. Indications, protocols for ordering and interpretation of the following:
      (1) Imaging studies (e.g., CT, MRI, X-Ray);
      (2) Laboratory studies (e.g., hematology, serology, microbiology);
      (3) Vascular studies (e.g., carotid duplex, cardio-vascular components);
      (4) Neurological studies (e.g., cranial nerve evaluation, neurologic consultation)
      (5) Intra-venous fluorescein angiography.

3. Under the guidance of the clinical faculty, the trainee will demonstrate, by direct patient encounter or in a clinical laboratory setting, proficiency in the following ambulatory surgical techniques:
   a. Foreign body removal;
   b. Dilation and irrigation of the lacrimal puncta;
   c. Lash epilation.

4. The resident, under the guidance of the clinical faculty, will demonstrate proficiency, in performing:
   a. Low vision examinations (10) and prescribing appropriate low vision devices;
   b. Traumatic brain injury examinations (4).

Didactic Curriculum

1. Anterior segment
   a. Anterior segment procedures
   b. Orbital conditions
   c. Lids and adnexa
   d. Corneal diseases
      i. Dystrophies
      ii. Degenerations
   e. Lens

2. Ocular inflammation
   a. Anterior segment
b. Intermediate
   c. Posterior segment
   d. Ocular manifestations from systemic diseases

3. Optic neuropathy
   a. Glaucoma
      i. Primary
      ii. Secondary
      iii. Medical treatment & management
      iv. Surgical treatment & management
   b. Optic nerve diseases

4. Neuro-ophthalmology / Neuro-optometry
   a. Visual field
   b. Neuro-imaging
   c. Cranial nerve palsies
   d. Orbital disease
   e. Ocular manifestations from systemic diseases

5. Retina
   a. Retinal imaging
      i. Conference workshops of fluorescein angiography, optic coherence
tomography and orbital ultrasonography
      ii. Didactic lectures on imaging interpretation & analysis
   b. Macula
   c. Peripheral retina
   d. Vitreo-retinal disease
   e. Retinal-vascular disease
   f. Ocular manifestations from systemic diseases

6. Ocular urgencies and emergences

7. Systemic testing
   a. Laboratory testing
   b. Imaging studies

8. Programs
   a. VA Hudson Valley Tuesday Conference
   b. VA Hudson Valley In-Service Workshops
   c. VA Hudson Valley Grand Rounds Programs
   d. VA Hudson Valley Inter-disciplinary Rotations
      i. Internal Medicine
      ii. Vascular Laboratory
      iii. Neurology
      iv. Rheumatology
   e. SUNY Friday Academic Program

Scholarly Activities

Submission of poster / paper presentation at major optometric / ophthalmology conference
Case Report Presentation (SUNY – Minor Presentation)
COPE – Continuing Education Presentation – 1 Hour (SUNY – Major Presentation)
Publishable - Quality Manuscript

Clinical Teaching

Mentorship of student externs
Clinical supervision of student externs (Winter & Spring Quarters)
In-service optometric presentations