

DEPARTMENT OF PEDIATRICS

PEDIATRIC INFECTIOUS DISEASE ELECTIVE

Course Director: Brinda Doraiswamy, MD

Duration: 4 Weeks

GOALS

To acquaint the student with the evaluation, work-up and treatment of children presenting with various infectious diseases.

EDUCATIONAL OBJECTIVES

The student becomes part of the team in the Division of Infectious Diseases. Objectives for the elective include: to further the development of the thoughtful and organized approach to patients with complaints related to infectious diseases; to gain familiarity with the clinical presentation, etiologic agents, diagnostic studies, and management of patients with serious bacterial and viral infections; to learn the antimicrobial spectrum of activity, indications for usage, and adverse effects of, commonly used antibiotics; to interpret antibiotic susceptibility data provided by the Microbiology Laboratory.

CLINICAL EXPERIENCE

1. The student will participate in the inpatient and outpatient evaluation and consultation of all children referred to the service. The medical student will work closely with the pediatric resident, and the findings will be discussed with the attending physician.
2. The medical student will become familiar with the appropriate techniques used in infectious disease practice for the evaluation, history and physical examination of the patient. After a careful and thorough history and physical examination, the student will be expected to develop a cogent differential diagnosis and appropriate work-up; this will be presented to the attending physician for discussion.
3. All of the appropriate laboratory testing used in the work-up of the patient will be discussed. This will include: the proper evaluation of a CBC, ESR, Lyme titers, viral and bacterial cultures, and many other laboratory tests will be reviewed and discussed as indicated.
4. Participation in the continuity of care of the patient with an infectious disease.

DIDACTIC EXPERIENCE

Formal didactic/teaching sessions with the attending physicians are held on a regular basis.

Topics include:

- Prevention
- Counseling and screening of infectious disease
- Normal and pathologic states related to infectious disease
- Evaluate, treat, and/or refer patients with presenting signs and symptoms that may indicate an infectious disease process
- Common conditions not referred (ex: common cold, pharyngitis, otitis media and externa, sinusitis etc.)
- Conditions Generally Referred (mastoiditis, peritonsillar, retropharyngeal, dental abscesses, epiglottitis, bacterial tracheitis, bacteremia, UTI, sepsis, meningitis etc.)

- Human Immunodeficiency Virus (HIV), antibiotic usage in managing infections in children
- Immunizations vaccines to prevent common childhood diseases

EVALUATION METHOD

Clinical observation will be completed mainly by the course director.

RECOMMENDED READING

RED BOOK, 2006 Report by the AAP Committee on Infectious Diseases

Behrman R, Kleigman, RM & Arvin A.M. (Editors), *Nelson Textbook of Pediatrics*, Philadelphia, WB Saunders. The major, authoritative textbook reference in pediatrics.

HOW TO APPLY

If you are interested in applying, please call 516-572-5399 or visit us at www.numc.edu.