

PEDIATRICS - UMH

E:Pediatrics, ID, UMH

SUBJECT: PEDIAT

CATALOG NUMBER: 002ID-I.U

Duration:	4 Weeks
Periods Offered:	All
Min-Max Enrollment per Period:	1-2 Maximum
Distribution of Student's Time:	15% Conference/Lecture 75% Inpatient Care 10% Outpatient Care
Average Number of Patients Seen Each Week:	6 new plus follow-up patients
On-call Responsibility:	None
Where to Report First Day of Clerkship:	L2225 Women's; 7:45 am.

To enhance knowledge and skills pertaining to

Interviewing, physical examination and other patient interactions
interpretation of data
clinical judgment
therapy and advice to patients

To increase student involvement in conferences, etc. by having students

present patients and/or patient data
participate as a member of the audience

To increase student use/review of the medical literature

as part of patient care (report to attending)
as part of a conference or journal club

How students will be evaluated

quality of care given (including clinical judgment)
level of knowledge (including new knowledge)

Methods to Evaluate Student Performance

observation of performance by faculty
observation of performance by fellows

Course Description:

A. OBJECTIVES

The Pediatric Infectious Diseases Rotation at the University of Michigan Medical Center is designed to insure that upon completion of the rotation, the trainees will be able to-

1. Demonstrate acquisition of information and experience necessary to diagnosis and manage pediatric patients with a wide variety of acute and chronic infectious diseases including disorders of host defenses.
2. Develop an understanding of the principles of disease control, prevention of nosocomial infections, and immunization programs.
3. Demonstrate the ability to utilize the literature and understand the application of clinical research with respect to the care of infectious disease patients.
4. Demonstrate knowledge of the functions and appropriate utilization of diagnostic microbiology, immunology, virology, mycology, and parasitology laboratories.
5. Demonstrate acquisition of appropriate teaching skills that can be used in the area of pediatric infectious diseases.

B. CURRICULAR OVERVIEW

Clinical Training To adequately complete the clinical component of this rotation, residents and students will devote the month "on-service" caring for inpatients on the Pediatric Infectious Diseases Service and inpatients seen on the Pediatric Infectious Diseases Consultation Service. In addition, they will spend one half-day per week seeing patients in the Pediatric Infectious Diseases Outpatient Clinic. The clinical objectives of this curriculum will be met through the resident's participation in-

1. Inpatient experiences: Each Pediatric Infectious Diseases student spends one month on the Inpatient Pediatric Infectious Diseases Service and Pediatric Infectious Diseases Consulting Service at Mott Children's Hospital, during which time they are supervised by the fellow and the faculty member responsible for the Inpatient Clinical Services. The residents, fellows, and faculty meet with the General Pediatric Service Teams for one-half to one hour each morning to review the daily plan for the patients hospitalized on the Infectious Diseases Service. Rounding on the Infectious Diseases Service patients and Consultation Service patients will occur each afternoon from one to three hours, depending on the service load. Participation

is expected at 1 PM in the Microbiology Laboratory where interesting laboratory results and laboratory-based questions are discussed with laboratory personnel and the clinical team from Internal Medicine Infectious Diseases.

2. Outpatient experiences: Residents and students on the Pediatric Infectious Diseases Rotation are expected to assume an important responsibility for care of patients seen in the Taubman Center (Outpatient Department) in evaluating the patient's presenting problem, in outlining a management plan, and in follow-up.

3. Diagnostic Laboratory: Training in the methods used in the Microbiology Diagnostic Laboratory, the Immunology Laboratory, the Parasitology Laboratory, and the Virology Laboratory occurs in the teaching sessions in the Microbiology Laboratory at 1PM daily.

4. Conferences: Residents and students on the Pediatric Infectious Diseases service regularly attend the following conferences:

- a. Pediatric Grand Rounds - weekly
- b. Morning Reports - three times weekly (optional)
- c. Infectious Diseases Grand Rounds in conjunction with Internal Medicine Infectious Diseases - weekly
- d. Pediatric Infectious Diseases Clinical Conference - weekly

5. Independent Learning: Residents and students on the Pediatric Infectious Diseases service supplement formal learning experiences with independent learning that will foster life-long learning. In this regard, they have access to the Infectious Diseases Library which includes textbooks related to pediatric and adult infectious diseases, immunology, and general pediatrics and is housed in the Infectious Diseases Fellows Room, accessible 24-hours a day, in the Pediatric Infectious Diseases Office Suite. This library also includes issues over the past ten years of the Journal of Infectious Diseases, Clinical Infectious Diseases, Infection and Immunity, and the Pediatric Infectious Diseases Journal. In addition, they have access to the Taubman Medical Library at the University of Michigan that serves as the main library resource for the University of Michigan Medical Center and is available on site and on line to our trainees. Trainees receive instruction on the use of computerized literature searches from the Infectious Diseases faculty and through workshops conducted by the Taubman Medical Library.

In addition, the Division has developed computer-based problem solving exercises in pediatric infectious diseases clinical problems. The teaching objectives of this curriculum are met through the participation of Pediatric Infectious Diseases student/resident in- 1. Presentations at Infectious Diseases Grand Rounds. 2. Presentations at the Pediatric Infectious Diseases Clinical Conference.

C. PATIENT POPULATIONS

Available for training experiences in the Pediatric Infectious Diseases at Mott Children's Hospital, Holden Neonatal Unit, and the Taubman Outpatient Facility-

1. Primary immunodeficiency diseases.
2. Prematurely born and low birthweight babies.
3. HIV infected infants, children, and adolescents.
4. Patients immunosuppressed secondary to chemotherapy, malignancy, and transplantation (bone marrow, liver, heart, lung).
5. Surgical patients: a. Orthopedics b. Neurosurgery c. General Pediatric Surgery d. Plastic Surgery e. Urology f. Ophthalmology g. Cardiovascular Surgery
6. Burn patients hospitalized at the University of Michigan Trauma Burn Center.
7. Cystic fibrosis patients, foreign-born patients, malnourished patients, children living in poverty, children lacking medical care secondary to cultural or religious beliefs.
8. Otherwise, well children with fever of unknown origin, immunization preventable diseases, rash illnesses, tropical diseases, and routine pediatric infections.

D. COMPETENCIES

During the course of the curriculum described above, the Pediatric Infectious Diseases residents and students will be provided opportunities to learn and will be evaluated on the following general competencies-

1. Patient care: Pediatric Infectious Diseases students/residents will be guided in providing patient care that is compassionate, appropriate, and effective for the treatment of infectious diseases problems and the promotion of health. They will be expected to:

- a. Communicate effectively and demonstrate caring and respectful behaviors when interacting with patients and their families.
- b. Gather essential and accurate information about their patients.
- c. Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up to date scientific evidence, and clinical judgement.
- d. Develop and carry out patient management plans.
- e. Counsel and educate patients and their families.
- f. Use information technology to support patient care decisions and patient education.
- g. Perform competently all medical procedures considered appropriate for the area of pediatric infectious diseases.
- h. Provide health care services aimed at preventing health problems or maintaining health.

Educational Goals

To give an overview of academic pediatric infectious diseases