

# 2120 Pediatric Infectious Diseases

Course: Pediatric Infectious Diseases Course Number: PED 2120

**Department:** Pediatrics

**Faculty Coordinator:** Jeffrey Kahn, MD

**Assistant Faculty Coordinators:** Amanda Evans, MD

**UTSW Education Coordinator Contact:** Anthony Lee ([Anthony.Lee@UTSouthwestern.edu](mailto:Anthony.Lee@UTSouthwestern.edu))

**Hospital: (Location of rotation)** Children’s Medical Center and Parkland Hospital

**Periods Offered:** Periods 1-12

**Length:** 4 weeks

**Max # of Students:** 2 (Post Clerkship Students) / 3 by special permission

**First Day Contact:** Amanda Evans, MD

**First Contact Time:** 8:30am

**First Day Location:** UTSW South Campus – ID Office Building “F” Room: 202

**Prerequisites:** PED 1801 Pediatric Core Clerkship

## I. Course Description

A month on the Infectious Disease service allows students the opportunity to fully participate on the busy ID consult service at Children’s Medical Center. The ID team provides consultations to all lines of service throughout Children’s and the neonatal services at Parkland Memorial Hospital, in addition to seeing patients in an outpatient referral clinic.

The Pediatric Infectious Disease Clinical Elective now offers an individualized experience, with:

- Continued exposure to general infectious diseases patients through the General I.D. consulting service;
- Introductory educational activities including Children’s Clinical Microbiology lab overview, Infection Prevention and Control overview, Pharmacology ‘boot camp’ lecture by ID clinical pharmacist
- New optional I.D. clinical opportunities offering perspectives on diagnoses and management of specialized I.D. cases in unique settings: Immunocompromised Host service, Ambulatory ID clinics, Orthopedics/ Musculoskeletal Infection team
- Encouraged individualized investigation of infectious disease career-related options during the core rotation.

<u>Goals</u>	<u>Objectives</u>	<u>Assessment Methods</u>
<p><b>Patient Care:</b> Manage infectious disease patients under the direction of the fellow and attending physician supervision. Patient care should be in a compassionate, appropriate and effective manner for treatment of health problems and promotion of continuity of care.</p>	<ul style="list-style-type: none"> <li>• To gain experience with diagnosis and management of infections in neonates, infants and children as well as in immunocompromised and transplant patients</li> <li>• To gain familiarity with rationale for selection of antimicrobial agents, including antibiotics and antivirals.</li> </ul>	<ul style="list-style-type: none"> <li>• Quality of Medical Records entries</li> <li>• Skills evaluation from direct observation.</li> </ul>

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	<ul style="list-style-type: none"> <li>• To gain insight into issues related to infection control practices in hospitalized patients.</li> <li>• Follow their own patients and be responsible for these patients at a level commensurate with their training. Be able to present relevant information about the patients on daily rounds.</li> <li>• Collect, assemble and interpret relevant history and physical findings.</li> <li>• Create and maintain complete and accurate medical records</li> <li>• Evaluate diagnostic studies pertinent to the infectious disease patient.</li> <li>• Participate in the management of the patient's problem in the hospital and place a note in the chart when indicated.</li> <li>• Communicate with the other health care professionals and referring physicians.</li> </ul>	
<p><b>Medical Knowledge:</b> Become familiar with the major pediatric diagnoses requiring hospital care and infectious disease consultation, which promote the development of clinical problem-solving skills.</p>	<ul style="list-style-type: none"> <li>• Demonstrate knowledge that would allow for independent assessment and appropriate problem solving skills of hospitalized pediatric patients with infectious diseases</li> <li>• Review the literature for pertinent information about patients for presentation at conference.</li> <li>• Demonstrate knowledge in the management of inpatients with infectious diseases.</li> </ul>	<ul style="list-style-type: none"> <li>• Each student is required to create a case presentation and to present it to the faculty and fellows during the rotation. It is recommended that students present an interesting case they encountered during their rotation. However, they are also permitted to present on a topic of interest that relates to pediatric course topic.</li> </ul>
<p><b>Interpersonal and Communication Skills:</b> Students must be able to demonstrate interpersonal and communication skills that results in effective information exchange with healthcare professionals and families.</p>	<ul style="list-style-type: none"> <li>• Give case presentations in a clear, concise, organized and relevant manner.</li> <li>• Communicate appropriate information to the family (and patient) concerning management and clinical course.</li> <li>• Be an integral member of the medical care team and exchange information effectively with other health care professionals.</li> </ul>	<ul style="list-style-type: none"> <li>• Observations of faculty and staff.</li> </ul>
<p><b>Practice-Based Learning and Improvement:</b> Students must be able to assimilate scientific evidence and improve their patient care practices.</p>	<ul style="list-style-type: none"> <li>• Locate and assimilate evidence from scientific studies related to their patients' health problems, including literature searches.</li> <li>• Use information technology to manage information, access on-line medical information; and</li> </ul>	<ul style="list-style-type: none"> <li>• Each student is required to create a case presentation and to present it to the faculty and fellows during the rotation. It is recommended that students present an interesting case they encountered during their</li> </ul>

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	<p>support one's education.</p> <ul style="list-style-type: none"> <li>• Demonstrate proper evidence based decisions.</li> <li>• Demonstrate appropriate use of educational resources for self-education, including medical literature and on-line medical information.</li> </ul>	<p>rotation. However, they are also permitted to present on a topic of interest that relates to pediatric course topic.</p> <ul style="list-style-type: none"> <li>• Critical review of a relevant article.</li> </ul>
<p><b>Professionalism:</b> Students must demonstrate attitudes and professional behavior appropriate for clinical practice, which encompass professional responsibilities, adherence to ethical principles and sensitivity to diverse patient populations.</p>	<ul style="list-style-type: none"> <li>• Accurate representation of data.</li> <li>• Ethically sound decisions.</li> <li>• Professional appearance.</li> <li>• On time attendance at rounds and conferences.</li> <li>• Respect for patients' confidentiality.</li> <li>• Mature behavior.</li> <li>• Sensitivity to culture, genders and disabilities.</li> </ul>	<ul style="list-style-type: none"> <li>• Observations of faculty and staff.</li> </ul>

## II. Methods of Instruction

### Didactic:

- Structured conferences 2-3 times weekly with ID fellows on common infectious disease topics.
- Attend seminar and conference presentations.
- Faculty: Jeffrey Kahn, George McCracken, Jr., Michelle Gill, Amanda Evans, Michael Sebert, Jeffrey McKinney, Dawn Wetzell, Michelle Hsiang, Paul Sue, Samuel Davila

### Clinical:

- Daily consultation rounds with faculty, residents and fellows
- Weekly seminar, follow-up rounds
- Daily intake conference at Children's (Optional)
- Noon conference at Children's (optional)
- Bi-weekly City-Wide Infectious Disease Conference

## III. Overview of Student Responsibilities

- Student spends morning working-up case(s) for presentation at Infectious Disease rounds. An ID fellow and/or an attending is available to student at all times.
- Assigned reading on selected topics
- No night call or weekend responsibilities

## IV. Method of Evaluation of Students and Requirements

Pass-Fail Grades: There are no examinations. Individual faculty members will evaluate the students they work with, in writing, about Interpersonal skills, Medical Knowledge, Patient Care, Procedural Skills, Independent Learning and Professionalism.