

Name of rotation: ID Consultation Service **Division:** Infectious Diseases

Course Director: Bruce Gilliam, M.D. **Site(s):** UMMC

Duration of rotation: one month only
 2 weeks possible

General description of the rotation including educational purpose, rationale or value:

Infectious diseases are not organ system specific and can easily be confused with disorders seen by all specialties and subspecialties. Patients with both community acquired and nosocomial infectious processes as well as clinical presentations easily confused with infectious diseases are evaluated for diagnosis and therapy. This rotation focuses on host defense mechanisms, selected patient subpopulations, pathogenesis, diagnostic modalities, and rational application of antibiotic agents. (Other more specialized ID rotations are also available in the Cancer Center and the AIDS Unit.)

Resident responsibilities, including interns and residents:

The resident is expected to be an active member of the consult team. This includes: 1) performing initial consultations on patients in the University Hospital and/or VA Medical Center, this is generally about one/day; 2) daily (M-F) follow-up visits on all patients being followed by the resident; 3) daily (M-F) rounds with the team which will include the attending physician, the fellow and medical students; 4) attending clinical conferences which are held on Monday afternoon and Friday noon, and daily microbiology rounds; 5) provide weekend coverage with the attending physician one weekend during the elective; and 6) attendance at outpatient clinics for a minimum of one half-day each week.

Educational Objectives: An expanded version of the competencies is listed under Core Competencies in Internal Medicine. Those listed here are specific to this rotation. Since residents may choose this elective during any year of training, PGY-1 goals and objectives are distinct for those for upper level residents, and PGY-2 and 3 goals and objectives are similar.

During this rotation, the PGY-1 resident will:

Patient Care

1. Be exposed to a wide variety of inpatient infectious disease diagnostic and management problems.
2. Read and interpret gram stains, AFB smears, fungal stains, and understand the general principles of obtaining and interpreting microbiologic cultures and sensitivity reports.

Medical Knowledge

1. Discuss the major classes of antibiotics, their appropriate use, and important side effects.

Practice-Based Learning

1. Perform literature searches, read textbooks and journal articles pertinent to the infectious disease cases that are being seen on service.

Interpersonal and Communication Skills – See Core Competencies

Professionalism – See Core Competencies

System-Based Practice – See Core Competencies

During this rotation, the PGY-2 or 3 resident will:

Patient Care

1. Evaluate and initiate management for a wide variety of inpatient infectious disease diagnostic and management problems.
2. Read and interpret gram stains, AFB smears, fungal stains, and understand the general principles of obtaining and interpreting microbiologic cultures and sensitivity reports.

Medical Knowledge

1. Discuss the major classes of antibiotics, their appropriate use, and important side effects.

Practice-Based Learning

1. Perform literature searches, read textbooks and journal articles pertinent to the infectious disease cases that are being seen on service using an evidence based approach.

Interpersonal and Communication Skills – See Core Competencies

Professionalism – See Core Competencies

System-Based Practice – See Core Competencies

Check all principle teaching methods used during this rotation:

- | | | | |
|-------------------------------------|--------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Attending teaching rounds | <input type="checkbox"/> | Interdisciplinary rounds |
| <input checked="" type="checkbox"/> | Patient management discussions | <input checked="" type="checkbox"/> | Small group discussions |
| <input checked="" type="checkbox"/> | Conferences specific to rotation | <input checked="" type="checkbox"/> | Bedside clinical rounds |
| <input type="checkbox"/> | Individual instruction of procedures | <input checked="" type="checkbox"/> | Review of diagnostic studies, including radiology |
| <input checked="" type="checkbox"/> | Other: Clinical Microbiology Rounds | | |

Describe the most important educational content, including the mix of diseases, patient characteristics, types of clinical encounters, procedures and services:

The inpatient ID consult service includes patients across a wide range of services including Medicine, Surgery, Transplant, Neurosurgery, Ophthalmology, Ob-Gyn, ENT, etc., as well as patients with varying degrees of severity of illness including intensive care patients. Common presentations include: fever of unknown origin, bacteremia, infectious endocarditis, pneumonia, empyema, meningitis, brain abscess, osteomyelitis, urinary tract infections, to name a few. Emphasis will be placed on generating a strong database including history, physical examination and laboratory values including microbiology, antibiotic levels, and radiology. These data will be used to make initial treatment plans and subsequent day-to-day treatment decisions.

Check the principal ancillary education materials used:

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|-------------------------------------|---|-------------------------------------|------------------------------|
| <input type="checkbox"/> | Reading lists | <input checked="" type="checkbox"/> | Pathologic material |
| <input checked="" type="checkbox"/> | Radiologic studies | <input type="checkbox"/> | Other noninvasive studies |
| <input checked="" type="checkbox"/> | Handouts on relevant topics | <input checked="" type="checkbox"/> | Articles from the literature |
| <input checked="" type="checkbox"/> | Other: Small group discussion of prepared cases | <input checked="" type="checkbox"/> | Case studies |

Methods used to evaluate the resident and the rotation:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Evaluation of residency performance and professionalism |
| <input checked="" type="checkbox"/> | Evaluation of attending teaching skills and other attributes |
| <input checked="" type="checkbox"/> | Rotation assessment by resident |
| <input checked="" type="checkbox"/> | Observation of resident's clinical competency |
| <input type="checkbox"/> | Observation of resident's leadership and teaching skills |
| <input checked="" type="checkbox"/> | Review of the resident's history/physical exam, progress notes and documentation of procedures in the chart |
| <input checked="" type="checkbox"/> | Resident's attendance of rounds and conferences monitored |
| <input type="checkbox"/> | Other: _____ |

Identify strengths and limitations specific to the resources of the sponsoring institution:

The infectious disease service patients often have a rich mix of pathological states.

Conferences or Attending/Patient Care Rounds: (Journal club, division rounds, etc.)

<u>Name</u>	<u>Location</u>	<u>Day</u>	<u>Time</u>
ID Clinical Conference	UMMC	Monday	4:00 pm
ID Didactic Lectures	UMMC	Friday	12 noon
Journal Club	UMMC	3rd Monday	4:30 pm
Microbiology Rounds	UMMC	M,W,F	1:15 pm

The resident and faculty members of the Postgraduate Education Committee reviewed and edited the content of this curriculum at its meeting on 7/18/07.