Intro to Lab Rotation

Faculty:
Stacy G. Beal, MD
Sherri Flax, MD
Neil Harris, MD
Ken Rand, MD
William Winter, MD

1. Rotation Description
   a. The Intro to Lab rotation provides a comprehensive overview to the testing procedures utilized in Clinical Chemistry, Hematology, and Microbiology. Laboratory Management is also reviewed.

2. Goals and Objectives
   a. **Patient Care:**
      - Interpret laboratory test results within the clinical context.
      - Develop a diagnosis or differential diagnosis, based on laboratory results and clinical information.
   b. **Medical Knowledge:**
      - Understand fundamental analytical principles and processes used in clinical laboratory testing.
      - Understand the practical and theoretical basis for laboratory test selection and interpretation.
   c. **Practice-Based Learning and Improvement:**
      - Obtain the ability to find, evaluate and assimilate evidence from scientific studies into the practice of laboratory medicine.
      - Apply statistical and study design principles in evaluation of evidence.
   d. **Interpersonal and Communication Skills:**
      - Become familiar with the faculty and staff in the clinical labs.
      - Begin to understand how to provide effective clinical consultations to other physicians and hospital staff.
      - Demonstrate the ability to work with others as part of a health care team.
   e. **Professionalism:**
      - Demonstrate respect, compassion and integrity.
      - Learn and understanding of ethical and privacy issues affecting the clinical laboratory.
      - Commitment to excellence and ongoing professional development.
   f. **Systems-based Practice:**
      - Understand the role of the laboratory in the health care system, and the importance of reliable, cost-effective and timely laboratory results in clinical decision-making.
3. Duties and Responsibilities (Schedule will be provided before the start of each rotation)
   a. Bench Rotations (9:15-12): Specimen collection, automated chemistry, urinalysis, electrophoresis, bacteriology, mycology, parasitology, AFB, rapid diagnostic tests, POCT
   b. Resident bench questions: Residents are assigned one unique question/bench and will share their answers with their colleagues during afternoon seminars (Questions will be provided prior to rotation)
   c. Resident report: Residents develop a “show and tell” case presentation once/week
   d. Talk on topic developed in conjunction with faculty – discuss possibly ideas at start of rotation
   e. Path review educational sessions with resident on CP Core
   f. End of rotation exit exams: Peripheral smear review, microbiology, hematology/chemistry
4. Didactic Curriculum (2 – 3 hours per day)
   a. Hematology, Microbiology, Chemistry, Coagulation, Toxicology, Metabolic disorders, laboratory management