

Cytogenetics Rotation - Objectives

Systems-Based Practice

1. **Objectives:** What knowledge and skills in laboratory management and the greater context of the health care system should the resident learn on this rotation?
 - a. Awareness and responsiveness to the larger context of the health care system and as it pertains to submission of cytogenetic specimens and cytogenetic diagnoses.
 - b. Ability to call on system resources to provide optimal cytogenetic evaluation.
2. **Plan:**
 - a. How does the resident acquire knowledge and skills in laboratory management?
Attendance at Daily Cytogenetics Intake Meeting, Weekly Section Meetings, and Monthly Laboratory Meetings
 - b. How does the resident through this rotation develop an awareness of the context of pathology in the health care system?
 1. Daily interaction with other pathology services (Flow Cytometry, Molecular Diagnostics, Immunohistochemistry) and other UTSW departments (OB/GYN, Hematology/Oncology Services, Pediatrics) in obtaining important clinical or laboratory information to perform the appropriate cytogenetic test or assist in accurate interpretation of a cytogenetic result.
 2. Interaction and utilization of the knowledge base of individuals from other services rotating (often concurrently) on the cytogenetics rotation.
Services which rotate:
 - UT Southwestern Adult Hematology/Oncology fellows
 - UT Southwestern Clinical Genetics Training Program (residents)
 - UT Southwestern Dermatopathology fellows
 - UT Southwestern Hematopathology fellows
 - UT Southwestern Pediatric Hematology/Oncology fellows
 - UT Southwestern Pathology residents (entire program)
 - Baylor Medical Center Pathology residents (entire program)
 - c. How does the resident through this rotation learn to access resources within the system in order to optimize the value of pathology services?
The resident's educational experience is integrated with computer and library resources, hospital information systems, and the cytogenetics database.
3. **Supervision/Assessment:** How is the resident's systems-based practice assessed and by whom?
Written assessment by cytogenetics faculty and staff.