

Flow Cytometry Rotation - Objectives

Practice-Based Learning and Improvement

1. **Objectives:** Appreciate the application of literature review, journal club, interdepartmental conferences, and peer review of cases.
2. **Plan:** Residents on flow cytometry are expected to attend the monthly hematopathology journal club in order to participate in a literature-based discussion of cutting edge information relevant to the practice of hematopathology (to include flow cytometry). During the work-up of difficult cases, the resident may at times be asked to perform a literature search on a topic in order to facilitate accurate and timely diagnosis. Residents also attend joint conferences with the hematology/oncology division and other services, in which the pathology results (including flow cytometry) are included in the decision making process regarding the overall management of the patient. These conferences also allow one to keep abreast of progress in patient management and basic and translational research that may impact on the pathology practice. Finally, the residents will participate in the peer review process in the flow cytometry laboratory, whereby randomly selected cases signed out by each faculty person are re-reviewed by another faculty person. The resident will be exposed to quality assurance issues during sessions at the bench with the medical technologists, in which quality control procedures will be directly demonstrated and discussed. The resident will also participate in interpreting proficiency testing (PT) survey materials with the responsible attending, as well as review the PT results with the medical director. In addition, the resident will review with the medical director reagent crosschecks, compensation parameters, and other ongoing quality assurance assessments in the laboratory.
3. **Supervision/Assessment:** Direct observation by rotation director, flow cytometry faculty, and hematopathology fellows.