

Flow Cytometry Rotation - Objectives

Patient Care

Procedural Skills

1. Objective: None

Interpretive Skills

1. **Objectives:** Interpret flow cytometry histograms in the context of clinical history and morphologic review.
2. **Plan:** On the first one to several days of the rotation, residents observe the fellows and faculty performing analysis and interpretation of flow cytometry histograms. Once they are familiar with the overall approach and the use of the painting software, they proceed through a set of teaching cases (retained on the flow cytometry lab server with detailed, step by step analysis instructions) that illustrate the major panels for normal specimens. After they have worked through the normal teaching cases, they proceed to analyze patient cases in real time. This is done with a fellow or attending available to answer ongoing questions during the period of analysis. The resident is expected to generate his or her own interpretation of the case during the analysis period. When the analysis is complete, it will be reviewed in detail with the fellow or faculty to assess the accuracy and completeness of the analysis and the interpretation. Corrections and constructive criticism will be provided at this time, after which the resident will be expected to create a draft report. The attending will review the draft report, edit, and sign. Any major corrections to the draft report will be discussed with the resident.
3. **Supervision/Assessment:** The resident performance will be assessed in several ways:
 - a. direct observation during the process of case real-time case work-up by rotation director, flow cytometry faculty, and hematopathology fellows.
 - b. oral quizzes in the context of weekly flow conference
 - c. written quizzes (presently under development)