

Pediatric Hematology/Oncology Rotation

Goals and Objectives

1. Patient Care:

- a. Takes thorough epidemiological and family histories relevant to establishing a diagnosis of a hematological/ oncologic disease process.
- b. Performs comprehensive physical examinations, with emphasis on findings that are suggestive of a hematological/ oncologic disease process (e.g., hepatosplenomegaly, lymphadenopathy, mucocutaneous findings, chest or cardiac auscultatory findings, neurologic deficits, abnormal abdominal or bony masses).
- c. Performs comprehensive assessment and proposed evaluation and treatment of new hematological/oncologic disease consult patient.
- d. Maintains a current day-to-day understanding of heme/oncology patients' status by serial exams, follow-up of lab tests, follow-through on orders and document the events with concise progress notes
- e. Provides compassionate care by consistently listening to concerns of patients and families and providing information, support, and age-appropriate anticipatory guidance. Participate in family meetings for "breaking the bad news"
- f. Participates in frequently done procedures in Pediatric Hematology/Oncology like conscious sedation, intrathecal chemotherapies, bone marrow aspirates and biopsies

2. Medical Knowledge:

- a. Demonstrates an understanding of the pathogenesis, complications and treatment of the following frequent hematological or oncologic disease conditions:
Congenital or acquired hypoplastic anemias, nutritional anemias, hemolytic anemias, congenital or acquired neutropenias, coagulation disorders, thrombocytopenias, leukemias, lymphomas, brain tumors, Wilms', Neuroblastoma, sarcomas, fever and neutropenia, line sepsis
- b. Demonstrates an understanding of blood product support (e.g. red blood cell and platelet transfusions), cytokines (e.g. erythropoietin, GCSF, GMCSF), and chemotherapeutic drugs including side effects and clinical uses of antimetabolites, alkylating agents, anthracyclines, platinum compounds and steroids.
- c. Demonstrates understanding of the basic elements of supportive care including pain control, PCP prophylaxis, fungal prophylaxis, and central line care.
- d. Ability to review peripheral blood smears and bone marrow to recognize abnormal white cells, red cells and platelet morphologies.
- e. Be able to interpret coagulation laboratory results to diagnose various bleeding diathesis

3. Interpersonal & Communication Skills:

- a. Writes clear concise notes
- b. Works with other members of the health care team.
- c. Communicates with other providers in the community setting (e.g. PCP, nursing agencies)
- d. Demonstrates sensitivity to family, cultural, ethnic & educational issues: unique problems involved in the care of children with hematologic or oncologic diseases, at the time of diagnoses, ongoing therapy and/or terminal illness

4. Professionalism:

- a. Demonstrates ability to explain to a child and family the implications of a hematologic or oncologic disorder and treatment options
- b. Discusses enrollment of patients on national and institutional clinical trials, protocol adherence and compliance, observance of HIPPA regulations
- c. Demonstrates sensitivity and respect for parents and patients of diverse ages and of diverse cultural, educational, and socioeconomic backgrounds.

5. Practice-based Learning

- a. Actively participates in discussions during work rounds and case discussions.
- b. Independently pursues information pertinent to patient care practices through reading in current texts and gathering and using pertinent information through evidence based literature searches.
- c. Participates and presents cases in the departmental weekly psychosocial rounds
- d. Presents and discusses patients in the weekly departmental clinical conferences
- e. Discusses study design and analysis in appraisal of clinical studies

6. Systems-based Practice

- a. Practices cost-effective health care (e.g. cytokine costs, diagnostic testing costs, home versus institutional care for parenteral therapy)
- b. Works with other health care providers caring for children outside of the traditional inpatient setting