

Pediatric Hematology/Oncology

Course Name:	Pediatric Hematology
Clerkship Director:	Dan Ozeran, MD, PhD and Faisal Razzaqi, MD
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Phone:	559-353-5141
Location:	Valley Children's Hospital
Course Description:	<p>Students will be exposed to infants and children with various hematologic disorders of infancy and childhood and the special diagnostic approaches to these problems. Students will have exposure to the clinical and investigative aspects of hematologic problems in children in both the inpatient and outpatient setting as well.</p> <p>The rotation will consist of both inpatient consultations and outpatient clinic experiences and procedural experience on a case-by-case basis.</p> <p>This rotation offers a unique clinical learning environment with interprofessional education supporting a diverse, underserved patient population.</p>

Goals and Objectives:

- Manage pediatric patients with acute and chronic hematologic and neoplastic conditions. Recognize and learn the pathogenesis, pathophysiology and treatment of the most common pediatric hematologic disorders: nutritional and inherited anemias, thalassemia, sickle cell disease, ITP, hemophilia, hypercoagulability and aplastic anemia.
- Encounter patients with oncologic diseases such as ALL, AML, lymphomas, neuroblastoma, osteosarcoma, Ewing's sarcoma, CNS tumors, and rhabdomyosarcoma.
- State which patients with hematologic/oncologic questions necessitate an urgent referral from a general pediatric practice.
- Perform and document both hematologically and oncologically focused histories and physical exams.
- State the special diagnostic approaches and procedures of the pediatric hematologist.
- Identify red cell, white cell and platelet abnormalities on peripheral blood smears and bone marrow samples.
- Recognize pediatric malignancies radiographically and on pathologic slides.
- Explain, obtain consent for and to write appropriate orders for blood products.
- Demonstrate the management of infection in the immunocompromised host.
- Demonstrate the counseling of parents, patients and siblings during the several phases of these chronic illnesses.
- Perform bone marrow aspirates and biopsies and spinal taps with intrathecal chemotherapy.
- Read a chemotherapy roadmap, to explain the medications to parents and to explain side effects of therapy.
- Participate in the division's teaching activities including formal teaching sessions, inpatient rounds and tumor board presentations.
- Present patients in problem oriented fashion and discuss patients' management.
- Utilize the standard treatment protocols (i.e. COG studies).
- Understand the implications and management of abnormal hematologic and oncologic screening tests.

Daily Schedule: 7:30am for morning report and then clinical duties to follow.

Report Instructions: Report to GME office for orientation at 8:00am on the first day of rotation, and then report to the hematology/oncology clinic.

Travel Requirements: None

Equipment Needed: Stethoscope

Call Requirements: None; if interested in taking inpatient call with a hospitalist, we will consider at orientation.

Special Requirements: None

Recommended Reading: To be provided.