Title of Clerkship: Outpatient Hematology/Oncology - UTMC
Elective Type: Fourth Year Elective
Department: Internal Medicine
Clerkship Site: The University of Toledo Medical Center
Course Number: MEDI737
Blocks available: All
# of students per block: 1
Faculty: Roland Skeel, M.D., Iman Mohamed, M.D., Sam Veltri, M.D., John Feldmeier, D.O.

Elective Description/Requirements:
This elective is designed to provide the students with an opportunity to gain the knowledge, skills and attitude required to diagnose and manage hematologic and oncologic disorders through evaluating patients, students will complete supervised history & physicals, diagnostic plan, differential diagnosis, treatment plan and follow-up and discharge planning.

Length of Clerkship: 2 weeks

Links to EPOs

Education Course Objectives: After completing the Outpatient Hematology/Oncology elective clerkship each fourth year medical student will be able to describe the following:

1. Laboratory Procedures
   a. a normal peripheral blood smear b. the procedures required to group type and crossmatch blood c. the five most important test used to evaluate hemostasis d. the principles of flow cytometry e. describe basic principles of DNA testing
2. Discuss the most common causes of:
   a. anemia
   b. thrombocytopenia c. bleeding disorders d. thrombophilic states
3. Discuss common manifestations of common cancers:
   a. Lymphoma; b. Colon; c. Breast; d. Prostrate
4. Understand how to approach end of life care & palliative care of pain
5. Describe common chemotherapy and their pharmacologic
6. Be able to conduct literature searches and use evidenced based medicine in oncology & hematology
7. Describe about cancer genetics and its application to oncology & hematology
8. Describe how to manage oncologic emergencies including: Tumerlisis syndrome, Hypercalcemia in the clinic
9. Describe general cancer terminology as
   a. remission; b. adjuvant; c. neoadjuvant
10. Ambulatory Care Experience
   1. Case write-up
   2. Clinical case presentations/discussions
   3. Diagnostic tests – use/interpretation
   4. Independent study
   5. Interpretation of lab data
   6. Lab – Pathology
   7. Lecture – Small group activity
   8. Mentored clinical practice
   9. Residency program/departments conferences

Professionalism: UT/COM students will meet or exceed the institutional standards for professionalism as stated in the current Educational Program Objectives and the current Educational Course Objectives for the Sponsoring Department.

Instructional Methods:
1. Ambulatory Care Experience
2. Case write-ups
3. Clinical case presentations/discussions
4. Diagnostic tests – use/interpretation
5. Independent study
6. Interpretation of lab data
7. Lab – Pathology
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Evaluation Methods employed:
1. Attendance
2. Case presentation
3. Case write-up
4. Faculty/resident observation

Prerequisites: Successful completion of required Internal Medicine Clerkship.

Clerkship Director: Christopher Lynn, M.D.

Clerkship Coordinator: Melissa Hansen
Phone Number: 419.383.5022
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Special Requirements: None.
AAMC Hot Topics Addressed in this Elective Clerkship:
- #9 End of Life
- #11 Evidenced based medicine
- #12 Medical genetics
- #30 Palliative care