

Title of Clerkship: **Outpatient Hematology/Oncology – UTMC (2 weeks)**

Elective Year(s): Fourth

Department: Internal Medicine

Type of Elective: Clinical Non-Clinical/Research Basic Science

Clerkship Site: The University of Toledo Medical Center and/or ProMedica Toledo Hospital

Course Number: MEDI737

Blocks Available: All

Number of Students per Block: 2

Faculty: Roland Skeel, M.D., Danae Hamouda, M.D. and various Toledo Clinic Physicians; Rex Mowat, M.D., Mehmood Rashid, M.D. & Richard Phinney, M.D.

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 patients hematologic and oncologic disorders through the evaluation of patients.

Length of Clerkship: 2 weeks

Links to Core Competencies

Educational Course Objectives

After completing the rotation, the student will be able to:

- PC-7 Describe laboratory procedures
 - a. peripheral blood smear
 - b. type and cross match blood
 - c. tests used to evaluate hemostasis
 - d. principles of flow cytometry
 - e. basic principles of DNA testing
- MK-3 Describe the most common causes of:
 - a. anemia
 - b. thrombocytopenia
 - c. bleeding disorders
 - d. thrombophilic states
- MK-5 Describe common manifestations of common cancers:
 - a. Lymphoma
 - b. Colon
 - c. Breast
 - d. Prostate
- MK-8 Discuss how to approach end of life care palliative of pain
- MK-7 Describe common chemotherapies and their pharmacologic characteristics
- PBL-4, PBL-5, PC-10 Demonstrate how to conduct literature searches and use evidenced based medicine in oncology & hematology
- PC-9 Describe how to manage oncologic emergencies including: Tumor lysis syndrome, Hypercalcemia
- MK-5, MK-6 Describe general cancer terms such as:
 - a. remission;
 - b. adjuvant
 - c. neoadjuvant
- PB-6 Describe principles of radiation oncology

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: Ambulatory Care Experience
Case write-ups
Clinical case presentations/discussions
Diagnostic tests – use/interpretation
Independent study
Interpretation of lab data
Lab – Pathology
Lecture – Small group activity
Mentored clinical practice
Residency program/department conferences

Evaluation Methods Employed: Attendance
Case presentation
Case write-up
Faculty/resident observation

Prerequisites: Successful completion of required Internal Medicine Clerkship.

Clerkship Director: Christopher Lynn, M.D.

Clerkship Coordinator: Dawn D. Jagodzinski
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Special Requirements: None