

# DEPARTMENT OF INTERNAL MEDICINE

## HEMATOLOGY/ONCOLOGY ELECTIVE

**Course Director: Alida Podrumar, MD**

**Duration: 4 Weeks**

### GOALS

During the four weeks of the elective, medical students will become familiar with the pathology, diagnosis, and management of hematologic/oncologic disorders. In order to achieve this goal they must:

- Achieve basic knowledge of hematology/oncology disorders.
- Become facile in obtaining a history specific to hematologic and oncologic disorders.
- Learn to perform a physical examination.
- Develop the ability to form a comprehensive hematology and oncology differential diagnosis.
- Appreciate how to plan a logical, cost-effective work-up of patients with specific hematologic/oncologic disorders.
- Learn to interpret common hematologic laboratory tests and interpret radiologic imaging for patient care.
- Have specific understanding of the long-term management of survivors of cancer, acute management of oncologic problems, and side effects of chemotherapy. Learn about diagnosis, treatment, and management of hematologic disorders.

### OBJECTIVES

During the elective, students will acquire in-depth skills and knowledge by:

- Observing the hematology/oncology fellow and hematology/oncology attending in the clinic setting.
- Making formal inpatient consultation rounds five days per week.
- Attending the hematology/oncology clinic daily.
- Attending and participating in weekly journal club, lectures, and tumor board. Students must also attend the Department of Medicine grand rounds.
- Observing the performance of bone marrow aspiration and biopsy.
- Reading about general hematology and oncology with specific attention to the disorders affecting the patients they are assigned.
- Attending microscopy rounds, with interpretation of peripheral smears and bone marrow aspiration smears.

### SUGGESTED READING MATERIAL

*Harrison's Principles of Internal Medicine* by Eugene Braunwald, Anthony S. Fauci, Dennis L. Kasper, Stephen L. Hauser, J. Larry Jameson, Richard M. Stone.

*Cecil's Textbook of Medicine* by Lee Goldman, Dennis Arthur Ausiello, William Arend, and James O. Armitage.

*Williams Textbook of Hematology*

*UpToDate.*

## **CLINICAL EXPERIENCE**

Through CLINICAL EXPERIENCE students will learn the rudiments of:

- interpretation of the blood smear.
- interpretation of the bone marrow aspirate.
- interpretation of CBC, PT, PTT, and other coagulation tests.
- diagnosis and treatment of common hematologic problems.
- diagnosis and treatment of common oncologic disorders.
- palliative care.

## **DIDACTIC EXPERIENCE**

The medical student will be expected to participate in all departmental lectures and conferences.

## **EVALUATION METHODS**

- Clinical observation by attending physicians
- Participation in rounds and conferences

## **HOW TO APPLY**

If you are interested in applying, please call 516-572-5399 or visit us at [www.numc.edu](http://www.numc.edu).