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

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.