DEPARTMENT OF RADIOLOGY

RADIATION ONCOLOGY
Course Director: Mitchell Karten, MD
Duration: Varies
- NYCOM students (4th year - 4 week required and/or elective)
- Stony Brook students (3rd or 4th year - 2 week rotation)
- Visiting Institutions and/or US or foreign students (4 week clinical rotation) with Radiology Elective Director’s approval
- Rotating NUMC Interns (4 weeks)

GOALS
Understand the fundamentals of radiation oncology and clinical indications for therapy of cancer.

EDUCATIONAL OBJECTIVES
By the completion of this rotation, the medical student will:
- Understand the role of radiation therapy in cancer treatment
- Understand the multidisciplinary approach to cancer treatment
- Acquire a basic understanding of radiobiology, radiation physics and radiation safety
- Gain a firm knowledge of the indications, contra-indications, and risks of radiation therapy
- Gain an understanding of the role of the radiation oncologist in cancer management

CLINICAL EXPERIENCE
The division does not have residents or fellows; therefore, the students will have primary access to patients and clinical instruction with Dr. Karten who is Board Certified in Radiation Oncology and Medical Oncology. He can provide a unique one-on-one instructional environment with emphasis on multidisciplinary management.

Students will see a wide variety of cases encompassing many oncology sites including breast, lung, colorectal, head and neck, and gynecological.

DIDACTIC EXPERIENCE
- The students on the radiation oncology rotation will attend weekly med/surg, breast, biweekly gynecologic oncology tumor boards.
- Site specific lectures will be provided to cover the major oncology sites including prognosis, diagnosis, staging, and treatment.
- Lectures will also be provided in physics, radiobiology, and radiation safety.
- The student may also attend additional interdisciplinary conferences.

SUGGESTED READING MATERIALS
American Cancer Society Textbook of Clinical Oncology, (paperback) in press spring 2008 American Cancer Society excellent manageable text

Chemotherapy and Radiation for Dummies, 2005 patient perspective
Reference Texts

Perez and Brady's *Principles and Practice of Radiation Oncology*, Lippincott, Williams & Wilkins; 5 edition (December 1, 2007)

DeVita, Hellman, and Rosenberg's, *Cancer: Principles & Practice of Oncology (Cancer: Principles & Practice (DeVita)(2 Vol.))* Lippincott Williams & Wilkins; 8 edition (May 1, 2008)

Websites

http://www.nccn.org
NCCN treatment guidelines site specific

http://www.cancer.gov/site
Specific summaries

OTHER IMPORTANT INFORMATION

Hours are from 8:00 a.m. to 4:00 p.m. On the first day of the rotation, students will register with the Undergraduate Medical Education Office and meet at 9:00 a.m. in the Radiation Oncology Division in the basement of S Building for general orientation.

EVALUATION METHOD

Evaluation is determined by active participation, as evidenced by asking questions, researching topics of discussion, and participating in therapeutic decision making.

HOW TO APPLY

If you are interested in applying, please call 516-572-5399 or visit us at www.numc.edu.