



School of Medicine

RADIATION ONCOLOGY RESIDENCY PROGRAM



Medical Students (3rd & 4th Year) Elective Rotations

Locations: Gershenson Radiation Oncology Center (Karmanos)
Huron Valley-Sinai Hospital (DMC)

Program

Coordinator: Patty Smirnes

Instructors: Kimberly Hart, MD
Harold Kim, MD
Jordan M. Maier, MD
Steven Miller, MD
Peter Paximadis, M.D.
Nitin Vaishampayan, M.D.

Learning Objectives: The student will experience the fundamentals of the field of radiation oncology: clinical care, physics and radiobiology. This will be accomplished through patient contact in the consultation and treatment setting, the treatment planning phase and daily treatments. Students may also have the opportunity to further improve the following skills: physical exam, medical history, documentation of the clinical encounter and pain management. Basic Sciences of physics and biology, as well as fundamental radiobiology will be wed in the course and how they apply to the clinical setting.

Methods: Rotating students will be assigned to a different attending physician each week. The medical student will shadow an attending physician-resident team to gain knowledge of the basic discipline of radiation oncology, attend related multidisciplinary conferences, and participate in patient consultations, weekly treatment examinations and follow-ups.

Students should spend time in the treatment planning area (dosimetry & physics) as well as at the treatment machines to understand the full spectrum of the field. Students are expected to attend all resident conferences and multidisciplinary tumor boards in which the attending physician participates. A schedule will be provided to you on your first day.

Recommended Reading Material: Introduction to Clinical Radiation Oncology
Coia Lawrence R and Moylan David J

Length of Rotation: 4 weeks

Work Schedule: The student will assume the normal work schedule of the radiation oncologist to whom they are assigned. Schedules are 5 days per week with a typical day beginning between 7 and 8 am and ending between 5 & 6 pm.

Deliverables: Each student will present a seminar on one particular cancer and the role of radiation therapy for that cancer. The talk will be scheduled at the end of the rotation. The Chief Resident will need to be engaged to mentor the seminar subject and style.

Evaluation: Students will be evaluated on observed skills, including patient interaction, communication – with patients and their families, amongst peers and with members of the patient care team.