

Radiation Oncology

RO 250.02

General Information

COURSE DIRECTOR: Robert Reznik, MD

STUDENT COORDINATOR: Chris Anthony Torralba
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STUDENTS / PERIOD: max 1 min 1

DURATION: 4 weeks

This elective is offered by arrangement (based off the school schedule), please contact the Student Coordinator

Description

This rotation is designed for medical students who are interested in the field of radiation oncology or another oncologic specialty, to get exposure to the field as well as understand and learn the concepts of radiation biology, physics, stereotactic radiosurgery, stereotactic radiotherapy, IMRT, IGRT, as well as gain familiarity with the commonly encountered cancers. The students will be working with different attending staff throughout the rotation and will also be attending multidisciplinary conferences. The student is expected to see consult or follow-up patients and then formally present the case to the attending, providing pertinent and clinically relevant information from the H&P, imaging studies, pathology, and any outside records, and will be expected ultimately to formulate treatment options under the guidance of the attending. The student will also be expected to either type or dictate the H&P, follow-up, or on-treatment visit note in the EMR (EPIC). During this 4-week rotation, the student will formally present to the entire department a patient case-based presentation on a specific topic/disease process usually related to a patient seen by the student. This presentation is expected to entail a full discussion of the anatomy, staging, treatment options, as well as the relevant literature surrounding the chosen topic.

Course Objectives

1. The student should understand the risk factors, radiation treatment options for breast cancer, brain tumors, gastrointestinal tract tumors, and gynecological cancers, especially endometrial cancer.
2. The student should understand how the radiation therapy is utilized and mechanism of action specifically in conjunction with other modalities, like chemotherapy.
3. The student will understand the relative benefits of various radiation modalities, such as: 3D conformal, IMRT, IGRT and SBRT, SRS, and brachytherapy

Student Experiences

COMMON PROBLEMS/DISEASES:

- Neoplastic diseases
- Breast cancer
- Brain tumors
- Genitourinary malignancies
- Gynecological malignancies
- Gastrointestinal malignancies

Approx. # of Patients Eval/Each Week by Student: 5
Approx. # of Patients Eval./Each Week by Service: 30

INPATIENT: 5

OUTPATIENT: 25

CONSULTATION: 30



Radiation Oncology

Typical Schedule

Approx. # of Patients Eval/Each Week by Student	5
Approx. # of Patients Eval./Each Week by Service	30
Typical Monday	<ul style="list-style-type: none"> • Neuroendocrine (NET Tumor Board): 7:30 - 8:30am • Colorectal Cancer Tumor Board: 3rd Monday/Monthly 12:00 – 1:00 pm • Hematologic Malignancies Tumor Board: Every 2nd and 4th Monday/Monthly 12:30-1:30pm
Typical Tuesday	<ul style="list-style-type: none"> • Pulmonary Thoracic Surgery Conference: 8:00 – 9:00 am • Bone/Soft Tissue Sarcoma: Tuesday/Biweekly 4:00 – 5:00pm • GU (Urologic Malignancies Tumor Board): Every 2nd and 4th Monday/Monthly 5:15 – 6:30pm
Typical Wednesday	<ul style="list-style-type: none"> • Brain Tumor Board: 8:00 – 9:00am • Cutaneous Oncology Tumor Board: First Wednesday/Monthly 8:00 – 9:00am • Cedars-Sinai Cancer Multidisciplinary Tumor Board: 2nd and 4th Wednesday/Monthly 12:00 – 1:00pm • Colorectal Cancer Tumor Board: 1st Wednesday (5:00 – 6:00pm) and 3rd Monday 12:00 – 1:00pm)/Monthly; •
Typical Thursday	<ul style="list-style-type: none"> • Head and Neck Cancer Tumor Board: Every 1st and 3rd Thursday/Monthly 7:00 – 8:00 am • Pancreatic Cancer Conference (Pancreatic/Hepatobiliary Tumor Board): Thursday/Weekly 8:00 – 9:00am • New Patient Conference/Rad Onc Conference: 8:00 – 9:00am All patients are being presented by resident/med student or attending who saw the patient. Be prepared to answer questions on the patients you are presenting. • Breast Multidisciplinary Tumor Board: Thursday/Weekly 9:10-10:20am • Chart Rounds: 12:00 – 1:00pm Be prepared to present the plans of the patients in which you were involved with the planning. • Thyroid Cancer Multidisciplinary Case Conference and Tumor Board: 2nd and 4th Thursday/Monthly 12:00 – 1:00pm • Gyn Oncology Tumor Board: Thursday/Weekly 4:00 – 5:00pm • Medical Student Rotators expected to present on the last week of rotation at New Patient Conference/Rad Onc Conference.
Typical Friday	<ul style="list-style-type: none"> • GI Tumor Board: 1st and 3rd Friday/Monthly 8:30 – 9:30am