

Radiation Oncology

RO 250.02

General Information

COURSE CHAIR: Howard Sandler, MD, MS, FASTRO

STUDENT COORDINATOR: Tanesha Whitehead
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STUDENTS / PERIOD: max 1 min 1

DURATION: 4 weeks

Electives at Cedars-Sinai start in May. Please visit our [VSAS](#) catalog for dates and to submit your application.

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

- 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



Typical Schedule of Conferences that Students are Expected to Attend

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 Mondays 7:30 - 8:30am • Radiation Oncology Conference Mondays 8:00 - 9:00am • Bone Marrow Transplant Case Conference 12:00 – 1:30pm • Tower Oncology TB (every other week off site) 12:30 - 1:30pm • GU (Every other Monday) 5:00 – 6:30pm • (Medical Student Rotators expected to present on the last week of rotation)
Typical Tuesday	<ul style="list-style-type: none"> • Hematology Oncology grand rounds 8:00 – 9:00am • Thoracic oncology 8:00 – 9:00am (Monthly on Tuesday) • Pituitary conference 12:00 – 1:00pm (Monthly on Tuesday) • Sarcoma 4:00 – 5:00pm every other Tuesday
Typical Wednesday	<ul style="list-style-type: none"> • Spine conference 7:00 – 8:00am • Brain Tumor Board 8:00 – 9:00am • Skin Tumor board (1st week of the month) 8:00-9:00am • General Oncology Tumor Board 12:00 – 1:00pm • GI Oncology Tumor Board (first Wednesday of the month) 5:00 – 6:00pm
Typical Thursday	<ul style="list-style-type: none"> • New Case Conference 8:00 – 9:00am • (All patients are being presented by resident/med student or attending who saw the patient) be prepared to ask questions. • Breast TB 9:15-10:15am • Chart Rounds 12:00 – 1:00pm patient's plans to be reviewed • RadOnc Journal Club (TBD) • Gyn Onc TB 4:00 – 5:00pm
Typical Friday	Hepatobiliary conference 7:30-8:30am